RESULTS

OF

OBSERVATIONS OF THE FIXED STARS

MADE WITH THE

MERIDIAN CIRCLE

AT THE

GOVERNMENT OBSERVATORY MADRAS

IN THE YEARS 1874, 1875, AND 1876

UNDER THE DIRECTION OF THE LATE

NORMAN ROBERT POGSON, C.I.E., F.R.A.S.

BY

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OFFICIATING GOVERNMENT ASTRONOMER AT MADRAS

PUBLISHED BY ORDER OF THE GOVERNMENT OF MADRAS

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INTRODUCTION.

The present volume deals with the Meridian Circle Observations made in the years 1874-75-76. The Observers were Moottoosawmy Pillay (M) and a new Observer P. Ragavachari (R) who is now First Observatory Assistant. A number of observations were also made by another observer (G) but the whole of these have had to be rejected. During these three years a comparatively small number of observations were made and I gather from the Annual Administration Reports that the reason for this was that the staff was chiefly employed in bringing up arrears of reductions. It seems, too, that the intention was to confine the Catalogue to the stars that had been observed up to that time. In 1877, however, it was resolved to increase the number of stars observed so that the next volume will deal with 9,637 observations and the volume for 1880-81-82 with 9,267 observations. A final volume will contain the 4,052 observations made between 1883 and 1887, when the work was closed.

During the years dealt with in this volume no change was made either in the instrument or in the methods of reduction.

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Instrumental Corrections adopted in 1874.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclina-tion.	Collima-tion.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Jan. 1	M	− 5·8	− 0·4	− 0·11	+ 0·18	+ 0·04	+ 0·31	34 and 115 R. P. L.
3	”	− 7·8	− 0·4	− 0·04	+ 0·15	+ 0·01	+ 0·43	116 R. P. L. and η Tauri.
5	”	− 7·6	− 0·4	− 0·06	+ 0·14	− 0·02	+ 0·29	42 and 116 R. P. L.
6	”	− 7·4	− 0·4	− 0·07	+ 0·18	+ 0·01	+ 0·26	
7	”	− 7·8	− 0·4	− 0·06	+ 0·15	− 0·02	+ 0·23	26 and 115 R. P. L.
8	”	− 8·4	− 0·4	− 0·11	+ 0·18	0·00	+ 0·36	111 R. P. L. and ε Tauri.
9	”	− 9·2	− 0·4	− 0·12	+ 0·14	− 0·02	+ 0·38	
10	”	− 9·6	− 0·4	− 0·04	+ 0·15	+ 0·02	+ 0·41	111 R. P. L. and η Tauri.
12	”	− 10·3	− 0·4	− 0·09	+ 0·09	− 0·03	+ 0·36	45 and 116 R. P. L.
13	R	− 9·6	− 0·4	− 0·10	+ 0·13	+ 0·02	+ 0·44	
14	M	− 11·7	− 0·4	+ 0·03	+ 0·14	+ 0·02	+ 0·53	34 and 111 R. P. L.
15	”	− 11·1	− 0·4	+ 0·02	+ 0·07	− 0·01	+ 0·28	42 and 111 R. P. L.
16	”	− 12·0	− 0·4	+ 0·11	+ 0·12	+ 0·02	+ 0·29	42 and 111 R.P.L.
17	”	− 11·8	− 0·4	+ 0·18	+ 0·07	− 0·01	+ 0·32	42 R.P.L. & 2293 Redhill.
19	”	− 11·4	− 0·4	− 0·09	+ 0·09	− 0·03	+ 0·31	42 R.P.L. & 2293 Redhill.
20	M & R	− 12·5	− 0·4	0·00	+ 0·12	− 0·03	+ 0·33	42 R.P.L. & 2293 Redhill.
21	M	− 12·2	− 0·4	+ 0·06	+ 0·12	− 0·03	+ 0·29	42 R.P.L. & 2293 Redhill.
22	”	− 11·5	− 0·4	+ 0·05	+ 0·16	0·00	+ 0·45	34 R.P.L. and o¹ Eridani.
23	”	− 11·8	− 0·4	+ 0·13	+ 0·17	− 0·02	+ 0·28	42 R.P.L. & 2293 Redhill.
24	”	− 12·0	− 0·4	+ 0·17	+ 0·17	− 0·02	+ 0·29	42 R.P.L. & 2293 Redhill.
26	”	− 12·1	− 0·4	− 0·05	+ 0·16	− 0·03	+ 0·17	42 R. P. L. & 24 Urs. Min.
27	R	− 12·2	− 0·4	− 0·07	+ 0·19	+ 0·01	+ 0·41	43 R.P.L. & 2293 Redhill.
28	”	− 11·8	− 0·4	+ 0·13	+ 0·16	− 0·01	+ 0·35	2293 Redhill and ι Aurigæ.
29	”	− 12·7	− 0·4	+ 0·12	+ 0·18	+ 0·01	+ 0·36	43 R.P.L. & 2293 Redhill.
30	”	− 12·9	− 0·4	+ 0·12	+ 0·20	+ 0·03	+ 0·37	43 R.P.L. & 2293 Redhill.
31	”	− 12·3	− 0·4	+ 0·15	+ 0·18	+ 0·01	+ 0·24	43 and 114 R. P. L.
Feb. 2	”	− 13·1	− 0·2	+ 0·09	+ 0·18	+ 0·01	+ 0·32	43 and 116 R. P. L.
3	”	− 13·1	− 0·2	+ 0·11	+ 0·17	0·00	+ 0·36	45 R. P. L. & 24 Urs. Min.
4	”	− 12·7	− 0·2	+ 0·18	+ 0·18	0·00	+ 0·29	24 Urs. Min. and β Tauri.
5	”	− 12·9	− 0·2	+ 0·13	+ 0·17	0·00	+ 0·36	45 R. P. L. & 24 Urs. Min.
6	”	− 12·7	− 0·2	+ 0·17	+ 0·19	+ 0·01	+ 0·38	45 R. P. L. & 24 Urs. Min.
7	”	− 12·3	− 0·2	+ 0·25	+ 0·20	0·00	+ 0·28	49 R. P. L. & 24 Urs. Min.
9	”	− 13·0	− 0·2	+ 0·19	+ 0·18	0·00	+ 0·08	49 R. P. L. and 24 Cephei.
10	”	− 12·6	− 0·2	+ 0·13	+ 0·19	0·00	+ 0·07	69 R.P.L. and 24 Cephei.
11	”	− 13·9	− 0·2	+ 0·16	+ 0·20	− 0·01	− 0·01	24 Cephei and ι Aurigæ.
12	”	− 13·0	− 0·2	+ 0·25	+ 0·21	+ 0·01	− 0·03	24 Cephei and β Tauri.
13	”	− 13·2	− 0·2	+ 0·09	+ 0·19	− 0·01	0·00	
14	”	− 13·6	− 0·2	+ 0·05	+ 0·21	0·00	+ 0·04	
16	”	− 13·6	− 0·2	+ 0·01	+ 0·19	0·00	+ 0·11	
18	”	− 13·4	− 0·2	+ 0·04	+ 0·18	− 0·01	+ 0·18	
19	”	− 13·5	− 0·2	+ 0·05	+ 0·19	− 0·01	+ 0·21	
20	”	− 13·3	− 0·2	0·00	+ 0·19	− 0·01	+ 0·25	60 and 150 R. P. L.
21	”	− 13·4	− 0·2	+ 0·02	+ 0·18	− 0·01	+ 0·16	72 and 150 R. P. L.
23	”	− 14·3	− 0·2	+ 0·07	+ 0·18	0·00	+ 0·26	72 and 143 R. P. L.
24	”	− 13·1	− 0·2	+ 0·10	+ 0·18	0·00	+ 0·27	72 and 143 R. P. L.
25	”	− 13·7	− 0·2	+ 0·05	+ 0·16	− 0·01	+ 0·13	69 and 151 R. P. L.
26	”	− 14·0	− 0·2	+ 0·03	+ 0·17	− 0·01	+ 0·18	
27	”	− 13·7	− 0·2	+ 0·09	+ 0·17	0·00	+ 0·24	
28	”	− 13·7	− 0·2	+ 0·14	+ 0·18	+ 0·01	+ 0·30	60 and 151 R. P. L.
Mar. 2	M	− 14·2	...	+ 0·14	+ 0·19	+ 0·02	+ 0·13	70 R.P.L. and 24 Cephei.
3	”	− 15·0	...	+ 0·12	+ 0·20	+ 0·01	+ 0·32	70, 143 and 151 R. P. L.
4	”	− 15·1	− 0·4	+ 0·23	+ 0·17	− 0·02	+ 0·25	70 and 151 R. P. L. [Min.
5	”	− 14·7	− 0·4	+ 0·13	+ 0·13	− 0·05	+ 0·26	72,143, 153 R.P.L. & λ Urs.
6	”	− 16·1	− 0·4	− 0·01	+ 0·17	− 0·01	+ 0·30	79, 143 and 151 R. P. L. and λ Ursæ Minoris.
7	R	− 13·5	− 0·4	+ 0·01	+ 0·21	+ 0·04	+ 0·22	79 R.P.L. & 24 Cephei.

P. Ragavacharry taken as zero of Personal Equation from January 1st, instead of N. R. Pogson, assuming until further determinations. N. R. Pogson—0s·30:—C. Ragoonathacharry—0s·68; and Moottoosawmy Pillay —0s·43.

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Instrumental Corrections adopted in 1874.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Mar. 9	M	− 14·0	− 0·4	+ 0·23	+ 0·31	+ 0·04	+ 0·36	79 and 153 R. P. L.
10	„	− 15·3	− 0·4	+ 0·21	+ 0·29	+ 0·03	+ 0·29	79 and 151 R. P. L.
11	„	− 15·4	− 0·4	+ 0·07	+ 0·22	− 0·01	+ 0·24	79 and 153 R. P. L.
12	R	− 13·9	− 0·4	+ 0·04	+ 0·23	0·00	+ 0·21	79 R.P.L. and 24 Cephei.
13	„	− 14·5	− 0·4	+ 0·16	+ 0·23	+ 0·01	+ 0·24	79 R.P.L. and 24 Cephei.
14	„	− 14·2	− 0·4	+ 0·19	+ 0·21	0·00	+ 0·22	87 and 153 R. P. L.
16	„	− 13·9	− 0·4	+ 0·16	+ 0·22	0·00	+ 0·29	87 and 143 R. P. L.
17	„	− 14·6	− 0·4	+ 0·16	+ 0·21	0·00	+ 0·30	87 and 143 R. P. L.
19	„	− 14·9	− 0·4	+ 0·15	+ 0·24	− 0·01	+ 0·25	87 and 153 R. P. L.
20	„	− 14·8	− 0·4	+ 0·16	+ 0·27	0·00	+ 0·29	87 and 153 R. P. L.
21	„	− 14·9	− 0·4	+ 0·13	+ 0·28	− 0·01	+ 0·25	10 and 90 R. P. L.
23	„	− 13·7	− 0·4	+ 0·06	+ 0·33	0·00	+ 0·29	90 and 153 R. P. L.
24	„	− 14·3	− 0·4	+ 0·08	+ 0·32	− 0·01	+ 0·30	
25	„	− 13·7	− 0·4	+ 0·09	+ 0·34	0·00	+ 0·31	
27	„	− 14·9	− 0·4	+ 0·11	+ 0·32	0·00	+ 0·32	
28	„	− 15·1	− 0·4	+ 0·14	+ 0·28	− 0·01	+ 0·32	
30	„	− 14·1	− 0·4	+ 0·23	+ 0·32	− 0·01	+ 0·33	153 R. P. L. and η Cancri.
31	„	− 13·5	− 0·4	+ 0·03	+ 0·33	− 0·01	+ 0·37	98 and 18 R. P. L.
Apl. 1	M	− 15·2	− 0·4	− 0·15	+ 0·42	+ 0·03	+ 0·38	
4	R	− 14·0	− 0·4	+ 0·17	+ 0·38	0·00	+ 0·42	98 and 153 R. P. L.
6	„	− 13·7	− 0·4	+ 0·20	+ 0·36	+ 0·01	+ 0·40	98 and 153 R. P. L.
8	„	− 13·1	− 0·4	+ 0·09	+ 0·32	0·00	+ 0·41	98 and 153 R. P. L.
9	„	− 14·6	− 0·4	+ 0·09	+ 0·31	+ 0·01	+ 0·36	
11	„	− 14·0	− 0·4	+ 0·15	+ 0·34	+ 0·01	+ 0·33	98 and 18 R. P. L.
13	„	− 14·8	− 0·4	+ 0·25	+ 0·37	+ 0·01	+ 0·34	98 and 18 R. P. L.
14	„	− 14·8	− 0·4	+ 0·25	+ 0·36	− 0·01	+ 0·33	98 R. P. L. and Polaris.
15	„	− 14·5	− 0·4	+ 0·27	+ 0·38	+ 0·02	+ 0·36	98 and 18 R. P. L.
16	„	− 14·1	− 0·4	+ 0·27	+ 0·38	+ 0·02	+ 0·35	98 and 18 R. P. L.
17	„	− 14·0	− 0·4	+ 0·17	+ 0·40	+ 0·01	+ 0·35	98 and 18 R. P. L.
20	M	− 15·8	− 0·4	+ 0·03	+ 0·43	− 0·01	+ 0·35	103 and 14 R. P. L.
21		− 15·1	− 0·4	+ 0·05	+ 0·49	+ 0·04	+ 0·38	101 and 10 R. P. L.
22	C R	− 13·6	− 0·4	+ 0·05	+ 0·47	+ 0·02	+ 0·38	
23	R	− 15·2	− 0·4	+ 0·04	+ 0·40	+ 0·03	+ 0·38	101 and 10 R. P. L.
24	„	− 15·2	− 0·4	+ 0·19	+ 0·44	+ 0·05	+ 0·43	101 and 10 R. P. L.
25	„	− 14·6	− 0·4	+ 0·23	+ 0·45	+ 0·03	+ 0·43	
27	„	− 13·6	− 0·4	+ 0·05	+ 0·48	+ 0·03	+ 0·44	101 and 10 R. P. L.
29	„	− 14·6	− 0·4	+ 0·10	+ 0·44	+ 0·01	+ 0·43	
30	„	− 16·2	− 0·4	+ 0·09	+ 0·44	+ 0·02	+ 0·42	
May 1	G	− 14·6	+ 0·3	+ 0·02	+ 0·44	0·00	+ 0·41	
2	„	− 18·7	+ 0·3	+ 0·31	+ 0·41	− 0·04	+ 0·40	
7	„	− 8·4	+ 0·3	− 0·25	+ 0·30	+ 0·05	+ 0·37	
8	„	− 7·9	+ 0·3	+ 0·03	+ 0·24	+ 0·01	+ 0·36	35 R. P. L. and β Leonis.
9	„	− 7·1	+ 0·3	+ 0·26	+ 0·26	+ 0·02	+ 0·17	
11	„	− 7·1	+ 0·3	− 0·19	+ 0·25	+ 0·05	− 0·20	111 and 14 R. P. L.
12	„	− 7·0	+ 0·3	+ 0·04	+ 0·29	+ 0·02	+ 0·40	114 and 33 R. P. L.
13	„	− 7·2	+ 0·3	+ 0·36	+ 0·35	+ 0·04	+ 0·26	
15	„	− 9·1	+ 0·3	+ 0·41	+ 0·31	− 0·01	− 0·01	108 and 33 R. P. L.
16	„	− 7·0	+ 0·3	+ 0·36	+ 0·36	− 0·02	+ 0·10	
18	„	− 6·3	+ 0·3	+ 0·26	+ 0·39	− 0·01	+ 0·33	90, 14 and 18 R. P. L.
19	R	− 6·6	− 0·6	+ 0·19	+ 0·39	+ 0·03	+ 0·43	101 and 10 R. P. L.
20	„	− 7·0	− 0·6	+ 0·15	+ 0·36	+ 0·00	+ 0·40	
21	„	− 7·2	− 0·6	+ 0·18	+ 0·39	+ 0·01	+ 0·38	101 and 10 R. P. L.
22	„	− 7·8	− 0·6	+ 0·07	+ 0·39	+ 0·01	+ 0·39	101 and 10 R. P. L.
23	„	− 7·6	− 0·6	+ 0·06	+ 0·38	+ 0·01	+ 0·38	
25	„	− 7·8	− 0·6	+ 0·22	+ 0·40	+ 0·02	+ 0·36	
26	„	− 8·0	− 0·6	+ 0·22	+ 0·40	+ 0·02	+ 0·35	

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Instrumental Corrections adopted in 1874.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
May 28	R	− 8·3	− 0·6	+ 0·15	+ 0·40	+ 0·02	+ 0·34	10 R. P. L. and η Bootis.
29	„	− 8·8	− 0·6	+ 0·16	+ 0·37	+ 0·01	+ 0·23	101 and 10 R. P. L.
30	„	− 9·0	− 0·6	+ 0·12	+ 0·39	+ 0·01	+ 0·23	90 and 12 R. P. L.
June 3	M	− 9·4	− 0·3	+ 0·05	+ 0·49	+ 0·04	+ 0·40	
4	„	− 8·5	− 0·3	+ 0·09	+ 0·47	+ 0·05	+ 0·44	108, 12 and 18 R. P. L.
5	„	− 8·8	− 0·3	+ 0·12	+ 0·46	+ 0·02	+ 0·46	108 and 12 R. P. L.
6	„	− 9·1	− 0·3	+ 0·08	+ 0·48	+ 0·05	+ 0·45	
8	„	− 7·1	− 0·3	+ 0·11	+ 0·42	+ 0·03	+ 0·43	108 and 18 R. P. L.
9	„	− 6·9	− 0·3	+ 0·16	+ 0·39	0·00	+ 0·27	108 and 14 R. P. L.
11	„	− 7·7	− 0·3	+ 0·11	+ 0·38	− 0·01	+ 0·29	
12	„	− 6·5	− 0·3	+ 0·10	+ 0·41	0·00	+ 0·31	
17	„	− 6·5	− 0·3	+ 0·17	+ 0·35	− 0·02	+ 0·37	
18	„	− 6·4	− 0·3	+ 0·10	+ 0·39	− 0·02	+ 0·38	
19	„	− 7·4	− 0·3	+ 0·03	+ 0·42	0·00	+ 0·40	
24	„	− 8·4	− 0·3	+ 0·11	+ 0·47	+ 0·01	+ 0·46	
29	„	− 9·1	− 0·3	+ 0·09	+ 0·44	+ 0·02	+ 0·52	Polaris and ε Bootis.
July 1	R	− 10·7	− 0·5	+ 0·09	+ 0·39	+ 0·01	+ 0·49	
2	„	− 11·3	− 0·5	+ 0·13	+ 0·37	+ 0·02	+ 0·47	43 R. P. L. & 24 Urs. Min.
3	„	− 10·9	− 0·5	+ 0·18	+ 0·38	+ 0·02	+ 0·46	
4	„	− 10·7	− 0·5	+ 0·19	+ 0·37	+ 0·02	+ 0·46	
7	„	− 11·9	− 0·5	+ 0·18	+ 0·36	+ 0·01	+ 0·43	
9	„	− 11·0	− 0·5	+ 0·19	+ 0·37	− 0·01	+ 0·42	34 R. P. L. and ε Bootis.
14	„	− 7·6	− 0·5	+ 0·12	+ 0·28	0·00	+ 0·49	131 R. P. L. & θ Ophiuchi.
15	„	− 7·3	− 0·5	+ 0·16	+ 0·33	+ 0·01	+ 0·44	40 R. P. L. and δ Urs. Min.
16	„	− 4·2	− 0·5	+ 0·14	+ 0·32	+ 0·01	+ 0·45	
17	„	+ 1·1	− 0·5	+ 0·08	+ 0·32	+ 0·02	+ 0·47	
20	„	+ 0·8	− 0·5	+ 0·14	+ 0·32	+ 0·02	+ 0·51	43 R. P. L. and ε Urs. Min.
21	„	− 1·8	− 0·5	+ 0·07	+ 0·29	+ 0·01	+ 0·51	
22	„	− 2·4	− 0·5	+ 0·01	+ 0·33	+ 0·04	+ 0·51	
29	„	− 2·3	− 0·5	+ 0·20	+ 0·34	+ 0·05	+ 0·49	
30	„	− 1·9	− 0·5	+ 0·12	+ 0·35	+ 0·04	+ 0·49	131 R. P. L. and 51 Cephei.
31	„	− 2·4	− 0·5	0·00	+ 0·32	+ 0·03	+ 0·51	
Aug. 3	M	− 1·5	+ 0·5	+ 0·08	+ 0·46	+ 0·06	+ 0·55	δ Urs. Min. and 51 Cephei.
6	„	− 2·2	+ 0·5	+ 0·04	+ 0·32	+ 0·03	+ 0·50	
7	„	− 2·0	+ 0·5	+ 0·08	+ 0·40	+ 0·01	+ 0·49	
8	„	− 2·1	+ 0·5	+ 0·15	+ 0·41	+ 0·03	+ 0·47	
11	„	− 3·3	+ 0·5	+ 0·12	+ 0·37	+ 0·01	+ 0·42	λ Urs. Min. & δ Ophiuchi.
12	„	− 4·2	+ 0·5	+ 0·07	+ 0·33	+ 0·01	+ 0·42	
13	„	− 4·4	+ 0·5	+ 0·18	+ 0·46	+ 0·06	+ 0·42	
14	„	− 3·8	+ 0·5	+ 0·20	+ 0·36	0·00	+ 0·42	
15	„	− 4·0	+ 0·5	+ 0·10	+ 0·40	+ 0·01	+ 0·43	
18	„	− 4·0	+ 0·5	+ 0·06	+ 0·40	+ 0·01	+ 0·43	
19	„	− 3·1	+ 0·5	+ 0·09	+ 0·41	+ 0·02	+ 0·43	
21	„	− 4·7	+ 0·5	+ 0·09	+ 0·31	− 0·02	+ 0·44	
22	„	− 4·0	+ 0·5	+ 0·04	+ 0·36	0·00	+ 0·44	
24	„	− 5·5	+ 0·5	+ 0·13	+ 0·39	+ 0·03	+ 0·44	70 R. P. L. and δ Urs. Min.
25	„	− 4·6	+ 0·5	+ 0·06	+ 0·41	+ 0·02	+ 0·44	
26	„	− 4·8	+ 0·5	− 0·02	+ 0·39	+ 0·02	+ 0·44	
27	„	− 5·0	+ 0·5	+ 0·07	+ 0·44	+ 0·02	+ 0·43	
28	„	− 7·2	+ 0·5	+ 0·13	+ 0·43	+ 0·03	+ 0·43	43 R. P. L. & ε Urs. Min.
29	„	− 6·1	+ 0·5	+ 0·10	+ 0·40	+ 0·01	+ 0·42	43 R. P. L. & λ Urs. Min.
31	„	− 5·9	+ 0·5	+ 0·02	+ 0·42	+ 0·02	+ 0·41	
Sep. 2	R	− 4·7	+ 0·1	+ 0·06	+ 0·33	+ 0·01	+ 0·49	131 and 60 R. P. L.
3	„	− 5·6	+ 0·1	+ 0·11	+ 0·33	+ 0·02	+ 0·46	
4	„	− 5·0	+ 0·1	+ 0·11	+ 0·34	+ 0·02	+ 0·44	δ Urs. Min. and 60 R. P. L.

Instrumental Corrections adopted in 1874.

Date.	Obs.	Index.	Run in 5r.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Sep. 5	R	− 5·1	+ 0·1	+ 0·07	+ 0·34	+ 0·02	+ 0·43	δ Urs. Min. and 60 R. P. L.
7	„	− 3·3	+ 0·1	+ 0·09	+ 0·32	+ 0·03	+ 0·49	60 R. P. L. and ζ Aquilæ.
10	„	− 2·4	+ 0·1	+ 0·10	+ 0·30	+ 0·01	+ 0·46	49 and 131 R. P. L.
12	„	− 1·4	+ 0·1	+ 0·01	+ 0·27	0·00	+ 0·39	131 and 45 R. P. L.
14	„	− 1·2	+ 0·1	+ 0·07	+ 0·27	+ 0·02	+ 0·50	131 and 69 R. P. L.
15	„	− 1·0	+ 0·1	+ 0·04	+ 0·26	+ 0·01	+ 0·39	131 and 45 R. P. L.
16	„	− 1·2	+ 0·1	+ 0·06	+ 0·27	+ 0·02	+ 0·45	131 and 49 R. P. L.
17	„	− 2·1	+ 0·1	+ 0·06	+ 0·27	+ 0·03	+ 0·43	143 and 49 R. P. L.
19	„	− 2·1	+ 0·1	+ 0·03	+ 0·26	+ 0·01	+ 0·49	
21	„	− 1·2	+ 0·1	− 0·16	+ 0·29	+ 0·03	+ 0·54	151 and 69 R. P. L.
24	„	− 2·2	+ 0·1	− 0·34	+ 0·27	+ 0·01	+ 0·44	
26	„	− 2·6	+ 0·1	− 0·21	+ 0·30	+ 0·03	+ 0·35	143 and 49 R. P. L.
28	„	− 2·3	+ 0·1	− 0·14	+ 0·27	+ 0·02	+ 0·42	
29	„	− 2·3	+ 0·1	− 0·07	+ 0·29	+ 0·03	+ 0·44	
30	„	− 2·8	+ 0·1	0·00	+ 0·28	+ 0·01	+ 0·46	
Oct. 3	M	− 4·6	0·0	− 0·09	+ 0·39	+ 0·06	+ 0·52	143 and 69 R. P. L.
5	„	− 3·7	0·0	− 0·05	+ 0·40	+ 0·03	+ 0·47	150 and 49 R. P. L.
6	„	− 4·6	0·0	− 0·09	+ 0·36	+ 0·02	+ 0·40	150 and 45 R. P. L.
7	„	− 4·9	0·0	− 0·05	+ 0·38	+ 0·02	+ 0·50	153, 98 and 49 R. P. L.
8	„	− 6·8	0·0	− 0·11	+ 0·33	− 0·01	+ 0·52	
9	„	− 5·4	0·0	− 0·12	+ 0·43	+ 0·04	+ 0·53	
10	„	− 5·4	0·0	− 0·07	+ 0·37	+ 0·02	+ 0·55	10 and 90 R. P. L.
12	„	− 3·4	0·0	− 0·14	+ 0·40	+ 0·04	+ 0·58	10, 90 and 49 R. P. L.
13	„	− 3·4	0·0	− 0·09	+ 0·42	+ 0·03	+ 0·58	150 R.P.L. & ρ Capricorni.
14	„	− 5·0	0·0	− 0·10	+ 0·35	+ 0·02	+ 0·55	150 R.P.L. & ρ Capricorni.
15	„	− 4·6	0·0	− 0·01	+ 0·39	+ 0·05	+ 0·49	10, 150 49, and 79 R. P. L.
16	„	− 4·1	0·0	− 0·06	+ 0·38	+ 0·03	+ 0·56	10, 151 69, and 70 R. P. L.
17	„	− 3·0	0·0	− 0·15	+ 0·39	+ 0·04	+ 0·59	151, 49 and 69 R. P. L.
19	„	− 3·1	0·0	− 0·07	+ 0·34	+ 0·01	+ 0·58	
21	„	− 1·9	0·0	+ 0·04	+ 0·35	+ 0·02	+ 0·57	
22	„	− 2·2	0·0	+ 0·06	+ 0·32	+ 0·01	+ 0·56	
27*	„	+ 2·3	0·0	− 0·27	+ 0·38	+ 0·04	+ 0·54	
28	„	+ 2·2	0·0	− 0·09	+ 0·39	+ 0·01	+ 0·53	26 and 108 R. P. L.
29	„	+ 1·7	0·0	− 0·13	+ 0·34	− 0·01	+ 0·51	151, 10 and 79 R P. L.
30	„	+ 1·6	0·0	− 0·21	+ 0·38	+ 0·01	+ 0·56	10 and 89 R. P. L.
31	„	+ 1·5	0·0	− 0·16	+ 0·38	+ 0·03	+ 0·67	151, 14, 69 and 70 R. P. L.
Nov. 2	R	+ 1·8	− 0·2	− 0·21	+ 0·28	+ 0·03	+ 0·74	14, 153 and 90 R. P. L.
3	„	− 1·3	− 0·2	− 0·24	+ 0·19	+ 0·02	+ 0·49	10 and 79 R. P. L.
4	M	− 1·4	− 0·2	− 0·33	+ 0·24	− 0·04	+ 0·45	10, 153, 69 and 70 R. P. L.
5	„	− 2·4	− 0·2	− 0·33	+ 0·29	− 0·01	+ 0·53	
7	R	− 0·6	− 0·2	− 0·35	+ 0·24	+ 0·03	+ 0·69	
9	„	− 1·3	− 0·2	− 0·18	+ 0·28	+ 0·03	+ 0·84	14 R. P. L. and θ Aquarii.
10	„	− 2·0	− 0·2	− 0·33	+ 0·22	− 0·01	+ 0·34	79 R. P. L. and η Aquarii.
11	„	− 1·5	− 0·2	− 0·48	+ 0·22	+ 0·03	+ 0·49	
12	„	− 1·3	− 0·2	− 0·37	+ 0·24	+ 0·01	+ 0·64	14, 79, 90 and 168 R. P. L.
13	„	− 3·0	− 0·2	− 0·36	+ 0·21	0·00	+ 0·55	14, 153, 79 and 90 R. P. L.
14	„	− 2·5	− 0·2	− 0·36	+ 0·20	+ 0·02	+ 0·56	14, 79 and 90 R. P. L.
17	„	− 2·9	− 0·2	− 0·34	+ 0·21	+ 0·02	+ 0·58	14 and 98 R. P. L.
18	C R	− 3·1	− 0·2	− 0·62	+ 0·26	+ 0·07	+ 0·72	14 and 98 R. P. L.
19	M	− 2·4	− 0·2	− 0·59	+ 0·30	+ 0·05	+ 0·69	14 and 98 R. P. L.
20	R	− 2·7	− 0·2	− 0·65	+ 0·22	+ 0·04	+ 0·62	14, 87 and 90 R. P. L.
21	„	− 2·4	− 0·2	− 0·96	+ 0·23	+ 0·03	+ 0·64	14, 87 and 90 R. P. L.
25	„	− 2·1	− 0·2	− 1·05	+ 0·25	+ 0·04	+ 0·66	
27	„	− 0·5	− 0·2	− 1·04	+ 0·19	+ 0·04	+ 0·67	
28	„	− 0·7	− 0·2	− 1·05	+ 0·24	+ 0·05	+ 0·67	
30	„	+ 1·7	− 0·2	− 0·88	+ 0·28	+ 0·04	+ 0·68	

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Instrumental Corrections adopted in 1874.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Dec. 1	R	+ 2·8	− 0·2	− 0·93	+ 0·27	+ 0·05	+ 0·68	
2	„	+ 1·2	− 0·2	− 0·74	+ 0·24	+ 0·05	+ 0·69	14 and 99 R. P. L.
3	„	+ 0·7	− 0·2	− 0·66	+ 0·26	+ 0·05	+ 0·50	98 R. P. L. and γ Pegasi.
4	„	+ 1·3	− 0·2	− 1·03	+ 0·21	+ 0·04	+ 0·50	18 and 90 R. P. L.
5	M	+ 1·6	− 0·9	− 1·06	+ 0·20	+ 0·03	+ 0·44	34 and 115 R. P. L.
7	„	− 0·1	− 0·9	− 0·88	+ 0·15	+ 0·01	+ 0·44	
8	„	+ 1·0	− 0·9	− 0·91	+ 0·07	+ 0·02	+ 0·44	
13	„	+ 1·5	− 0·9	− 0·83	+ 0·30	+ 0·03	+ 0·45	
15	„	+ 4·6	− 0·9	− 0·90	+ 0·38	− 0·01	+ 0·46	26, 98 and 115 R. P. L.
16	„	+ 4·7	− 0·9	− 0·80	+ 0·39	+ 0·02	+ 0·44	26 and 98 R. P. L.
17	„	+ 5·1	− 0·9	− 0·81	+ 0·35	+ 0·02	+ 0·37	26 and 115 R. P. L.
18	„	+ 4·1	− 0·9	− 0·93	+ 0·36	+ 0·03	+ 0·37	26, 98 and 115 R. P. L.
19	„	+ 3·6	− 0·9	− 0·88	+ 0·32	+ 0·05	+ 0·43	26 and 98 R. P. L.
22	R	+ 3·3	− 0·9	− 0·81	+ 0·19	+ 0·05	+ 0·46	
25	„	+ 1·7	− 0·9	− 0·90	+ 0·05	− 0·05	+ 0·49	34 and 111 R. P. L.
26	„	+ 1·7	− 0·9	− 0·87	+ 0·14	+ 0·02	+ 0·40	
28	M	+ 0·6	− 0·9	− 0·75	+ 0·19	− 0·01	+ 0·23	35 R. P. L. and ε Urs. Min.

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Instrumental Corrections adopted in 1875.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Jan. 2	R	− 2·9	− 0·9	− 0·75	+ 0·20	+ 0·04	+ 0·44	34 and 115 R. P. L.
5	”	− 2·7	− 0·9	− 0·80	+ 0·18	+ 0·02	+ 0·36	33 and 115 R. P. L.
6	”	− 4·4	− 0·9	− 0·79	+ 0·20	+ 0·04	+ 0·39	34 and 115 R. P. L.
8	”	− 2·7	− 0·9	− 0·75	+ 0·19	+ 0·04	+ 0·38	26 and 114 R. P. L.
11	”	− 4·9	− 0·9	− 0·75	+ 0·16	+ 0·03	+ 0·46	34 and 115 R. P. L.
12	”	− 3·9	− 0·9	− 0·69	+ 0·18	+ 0·04	+ 0·41	
13	”	− 4·3	− 0·9	− 0·71	+ 0·16	+ 0·02	+ 0·37	35 and 114 R. P. L.
14	”	− 4·5	− 0·9	− 0·75	+ 0·17	+ 0·03	+ 0·39	
16	”	− 6·6	− 0·9	− 0·75	+ 0·19	+ 0·04	+ 0·44	33 and 114 R. P. L.
18	”	− 8·7	− 0·9	− 0·73	+ 0·21	+ 0·04	+ 0·31	35 and 114 R. P. L.
20	”	− 7·3	− 0·9	− 0·64	+ 0·21	+ 0·03	+ 0·33	34 and 111 R. P. L.
21	”	− 8·6	− 0·9	− 0·56	+ 0·21	+ 0·04	+ 0·32	
22	”	− 8·5	− 0·9	− 0·56	+ 0·21	+ 0·03	+ 0·30	
23	”	− 9·6	− 0·9	− 0·56	+ 0·20	+ 0·02	+ 0·29	34 R. P. L. and o^1 Eridani.
26	”	− 9·6	− 0·9	− 0·59	+ 0·22	+ 0·01	+ 0·26	
27	”	− 10·6	− 0·9	− 0·63	+ 0·22	+ 0·02	+ 0·25	
28	”	− 10·1	− 0·9	− 0·64	+ 0·24	+ 0·04	+ 0·24	35 and 115 R. P. L.
29	”	− 9·5	− 0·9	− 0·58	+ 0·21	+ 0·04	+ 0·18	
30	”	− 9·7	− 0·9	− 0·48	+ 0·24	+ 0·04	+ 0·12	42 R. P. L. and ε Urs. Min.
Feb. 1	M	− 10·8	0·0	− 0·52	+ 0·35	+ 0·03	+ 0·20	
2	”	− 11·4	0·0	− 0·62	+ 0·31	+ 0·04	+ 0·25	51 Cephei and 131 R. P. L.
3	”	− 11·7	0·0	− 0·59	+ 0·33	+ 0·08	+ 0·26	β Tauri and δ Urs. Min.
4	”	− 11·7	0·0	− 0·53	+ 0·28	+ 0·06	+ 0·24	
5	”	− 11·1	0·0	− 0·51	+ 0·27	+ 0·03	+ 0·22	β Tauri and δ Urs. Min.
6	”	− 11·8	0·0	− 0·47	+ 0·26	+ 0·04	+ 0·22	
8	”	− 11·0	0·0	− 0·53	+ 0·23	+ 0·02	+ 0·22	β Tauri and δ Urs. Min.
9	”	− 10·6	0·0	− 0·49	+ 0·26	+ 0·03	+ 0·24	
10	”	− 11·9	0·0	− 0·49	+ 0·22	+ 0·01	+ 0·25	
11	”	− 12·0	0·0	− 0·48	+ 0·21	+ 0·01	+ 0·27	51 Cephei & 24 Urs. Min.
12	”	− 13·0	0·0	− 0·48	+ 0·22	0·00	+ 0·24	
13	”	− 12·9	0·0	− 0·36	+ 0·18	+ 0·01	+ 0·22	51 Cephei & 24 Urs. Min.
15	”	− 13·1	0·0	− 0·49	+ 0·20	− 0·01	+ 0·20	
16	”	− 12·8	0·0	− 0·46	+ 0·25	+ 0·01	+ 0·18	
17	”	− 12·8	0·0	− 0·42	+ 0·26	+ 0·01	+ 0·17	60 and 150 R. P. L.
18	”	− 11·9	0·0	− 0·40	+ 0·29	+ 0·02	+ 0·13	
19	”	− 12·6	0·0	− 0·44	+ 0·29	0·00	+ 0·09	72 and 150 R. P. L.
20	”	− 12·9	0·0	− 0·50	+ 0·30	+ 0·01	+ 0·19	90 and 158 R. P. L.
22	”	− 12·7	0·0	− 0·38	+ 0·31	+ 0·03	+ 0·22	
23	”	− 13·4	0·0	− 0·45	+ 0·30	+ 0·03	+ 0·23	90 and 158 R. P. L.
24	”	− 13·3	0·0	− 0·48	+ 0·29	+ 0·04	+ 0·22	90 and 153 R. P. L.
25	”	− 13·2	0·0	− 0·42	+ 0·30	+ 0·04	+ 0·22	90 and 153 R. P. L.
26	”	− 13·2	0·0	− 0·35	+ 0·29	+ 0·04	+ 0·21	90 and 153 R. P. L.
27	”	− 12·8	0·0	− 0·29	+ 0·30	+ 0·04	+ 0·28	Castor and Polaris.
Mar. 1	R	− 11·9	− 0·2	− 0·42	+ 0·22	+ 0·03	+ 0·31	
2	”	− 11·9	− 0·2	− 0·48	+ 0·22	+ 0·04	+ 0·32	
3	”	− 12·7	− 0·2	− 0·52	+ 0·20	+ 0·03	+ 0·34	60 and 143 R. P. L.
4	”	− 13·2	− 0·2	− 0·54	+ 0·19	+ 0·02	+ 0·30	
5	”	− 13·4	− 0·2	− 0·47	+ 0·24	+ 0·03	+ 0·26	
6	”	− 12·8	− 0·2	− 0·44	+ 0·22	+ 0·02	+ 0·23	49 and 131 R. P. L.
8	”	− 12·7	− 0·2	− 0·58	+ 0·24	+ 0·01	+ 0·22	
9	”	− 12·8	− 0·2	− 0·59	+ 0·26	+ 0·01	+ 0·21	
10	”	− 12·4	− 0·2	− 0·53	+ 0·30	+ 0·01	+ 0·20	49 and 131 R. P. L.
11	”	− 13·4	− 0·2	− 0·55	+ 0·24	+ 0·01	+ 0·17	
12	”	− 13·2	− 0·2	− 0·58	+ 0·30	+ 0·03	+ 0·14	
13	”	− 12·5	− 0·2	− 0·52	+ 0·30	+ 0·01	+ 0·11	70 and 150 R. P. L.
15	”	− 13·2	− 0·2	− 0·44	+ 0·29	+ 0·01	+ 0·12	
16	”	− 12·6	− 0·2	− 0·49	+ 0·27	0·00	+ 0·13	

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Instrumental Corrections adopted in 1875.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Mar. 17	R	− 12·6	− 0·2	− 0·52	+ 0·27	− 0·01	+ 0·14	69 and 151 R. P. L.
18	,,	− 12·3	− 0·2	− 0·42	+ 0·26	0·00	+ 0·14	
19	,,	− 12·3	− 0·2	− 0·41	+ 0·26	+ 0·01	+ 0·14	
20	,,	− 11·8	− 0·2	− 0·50	+ 0·25	0·00	+ 0·14	70 and 18 R. P. L.
22	,,	− 12·5	− 0·2	− 0·52	+ 0·27	+ 0·02	− 0·10	*l* Leonis and 14 R. P. L.
23	,,	− 12·6	− 0·2	− 0·53	+ 0·30	+ 0·03	+ 0·04	101 and 14 R. P. L.
24	,,	− 13·3	− 0·2	− 0·59	+ 0·30	+ 0·05	+ 0·06	101 and 14 R. P. L.
25	,,	− 12·9	− 0·2	− 0·55	+ 0·28	+ 0·03	+ 0·05	
26	,,	− 13·0	− 0·2	− 0·58	+ 0·29	+ 0·03	+ 0·04	
27	M	− 11·9	− 0·4	− 0·57	+ 0·45	+ 0·03	+ 0·03	
29	,,	− 12·2	− 0·4	− 0·40	+ 0·41	+ 0·01	0·00	
31	R	− 12·6	− 0·2	− 0·63	+ 0·31	+ 0·01	− 0·03	
Apl. 1	M	− 11·7	− 0·4	− 0·56	+ 0·46	+ 0·04	− 0·04	
2	,,	− 11·1	− 0·4	− 0·34	+ 0·42	+ 0·02	− 0·05	
3	,,	− 11·0	− 0·4	− 0·39	+ 0·40	+ 0·01	− 0·06	99 and 14 R. P. L.
5	,,	− 10·5	− 0·4	− 0·51	+ 0·44	+ 0·03	+ 0·17	
6	,,	− 9·7	− 0·4	− 0·43	+ 0·43	+ 0·03	+ 0·28	108 and 26 R. P. L.
7	,,	− 11·0	− 0·4	− 0·40	+ 0·40	+ 0·01	+ 0·05	92 R. P. L. and ψ Leonis.
8	,,	− 11·1	− 0·4	− 0·50	+ 0·40	+ 0·04	+ 0·23	93 R. P. L. and Polaris.
9	,,	− 11·5	− 0·4	− 0·41	+ 0·41	+ 0·03	+ 0·12	92 R. P. L. and Polaris.
10	,,	− 11·5	− 0·4	− 0·33	+ 0·40	+ 0·02	+ 0·15	108 R. P. L. and δ Crateris.
12	,,	− 12·0	− 0·4	− 0·66	+ 0·38	0·00	+ 0·14	108 R. P. L. and Polaris.
13	,,	− 11·3	− 0·4	− 0·71	+ 0·40	+ 0·01	+ 0·25	114 and 35 R. P. L.
14	,,	− 10·9	− 0·4	− 0·60	+ 0·40	+ 0·01	+ 0·18	114 R. P. L. and δ Crateris.
15	,,	− 11·0	− 0·4	− 0·59	+ 0·38	0·00	+ 0·18	114, 116, and 26 R. P. L.
16	,,	− 10·9	− 0·4	− 0·59	+ 0·40	0·00	+ 0·10	116, 26, and 34 R. P. L.
17	,,	− 10·3	− 0·4	− 0·50	+ 0·46	+ 0·05	+ 0·20	2293 Redhill; 114, 116 and 26 R. P. L.
19	,,	− 11·2	− 0·4	− 0·56	+ 0·41	+ 0·02	− 0·03	2293 Redhill and 33 R.P.L.
20	,,	− 10·8	− 0·4	− 0·57	+ 0·43	0·00	+ 0·08	
21	,,	− 11·7	− 0·4	− 0·56	+ 0·44	+ 0·04	+ 0·18	26, 34 and 111 R. P. L. and 2293 Redhill.
22	,,	− 12·3	− 0·4	− 0·56	+ 0·43	+ 0·01	+ 0·13	114 R. P. L. and β Corvi.
23	,,	− 10·8	− 0·4	− 0·43	+ 0·46	+ 0·03	+ 0·10	92, 114 and 34 R. P. L.
24	,,	− 11·6	− 0·4	− 0·38	+ 0·45	− 0·01	+ 0·08	114 and 34 R. P. L.
26	,,	− 12·1	− 0·4	− 0·57	+ 0·44	+ 0·01	+ 0·08	93 and 33 R. P. L.
27	,,	− 11·8	− 0·4	− 0·62	+ 0·52	+ 0·04	+ 0·19	115 and 34 R. P. L.
28	,,	− 12·0	− 0·4	− 0·55	+ 0·52	+ 0·03	+ 0·22	
29	,,	− 11·7	− 0·4	− 0·45	+ 0·54	+ 0·06	+ 0·24	93 and 34 R. P. L.
30	,,	− 11·8	− 0·4	− 0·37	+ 0·48	+ 0·04	+ 0·18	33 and 93 R. P. L. and 2293 Redhill.
May 1	R	− 10·6	0·0	− 0·38	+ 0·40	+ 0·02	+ 0·28	93 R. P. L. and η Bootis.
3	,,	− 12·5	0·0	− 0·72	+ 0·40	+ 0·04	+ 0·04	
4	,,	− 12·0	0·0	+ 0·51	+ 0·44	+ 0·05	− 0·08	2293 Redhill and 33 R.P.L.
5	,,	− 11·2	0·0	+ 0·82	+ 0·41	+ 0·02	+ 0·05	26, 33 and 92 R. P. L. and 2293 Redhill.
6	,,	− 11·6	0·0	+ 0·87	+ 0·41	+ 0·03	+ 0·19	93, 114, 26 and 33 R. P. L.
7	,,	− 11·6	0·0	+ 0·86	+ 0·44	+ 0·03	+ 0·20	93, 111, 114 and 26 R. P. L.
8	,,	− 11·0	0·0	+ 0·85	+ 0·43	+ 0·04	+ 0·21	93, 111, 26 and 34 R. P. L.
10	,,	− 10·5	0·0	+ 0·95	+ 0·47	+ 0·02	+ 0·26	93, 111 and 26 R. P. L.
11	,,	− 11·1	0·0	+ 1·07	+ 0·44	+ 0·01	+ 0·23	93 R. P. L. and ζ Virginis
12	,,	− 10·5	0·0	+ 1·02	+ 0·45	+ 0·02	+ 0·17	93 and 34 R. P. L. and 2293 Redhill.
13	,,	− 9·7	0·0	+ 1·06	+ 0·46	+ 0·03	+ 0·20	93 and 34 R. P. L. and 2293 Redhill.
14	,,	− 11·0	0·0	+ 1·16	+ 0·41	+ 0·03	+ 0·23	
15	,,	− 10·4	0·0	+ 1·15	+ 0·41	+ 0·04	+ 0·25	93, 34 and 40 R. P. L. and 2293 Redhill.
17	,,	− 11·3	0·0	+ 1·20	+ 0·43	+ 0·02	+ 0·24	

May 3.—Stopped the clock before observing to lower the pendulum cylinder two divisions of the screw and placed the 30 grain weight upon the rate shelf.

May 4. 12*h*. 11*m*.—Changed the 30 grain weight on the weight shelf for the 20 grain weight.

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Instrumental Corrections adopted in 1875.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		"	"	s	s	s	s	
May 18	R	− 10·4	0·0	+ 1·15	+ 0·42	+ 0·02	+ 0·23	114 and 40 R. P. L.
19	"	− 10·6	0·0	+ 1·08	+ 0·44	+ 0·02	+ 0·23	115 and 40 R. P. L.
20	"	− 10·8	0·0	+ 2·04	+ 0·43	+ 0·04	+ 0·25	115 and 40 R. P. L.
21	"	− 10·9	0·0	+ 0·16	+ 0·41	+ 0·02	+ 0·22	115 and 40 R. P. L.
22	"	− 10·7	0·0	+ 0·19	+ 0·41	+ 0·02	+ 0·22	115 and 43 R. P. L.
24	"	− 10·5	0·0	+ 0·22	+ 0·44	+ 0·01	+ 0·23	115 and 43 R. P. L.
25	"	− 9·5	0·0	+ 0·22	+ 0·43	+ 0·01	+ 0·26	ζ Herculis and 43 R. P. L.
26	"	− 10·2	0·0	+ 0·23	+ 0·46	+ 0·01	+ 0·28	115 and 42 R. P. L.
28	"	− 9·1	0·0	+ 0·18	+ 0·42	0·00	+ 0·26	115 and 42 R. P. L.
31	"	− 10·2	0·0	+ 0·19	+ 0·47	+ 0·03	+ 0·25	
June 1	M	− 10·0	− 1·0	+ 0·13	+ 0·52	+ 0·03	+ 0·24	
2	"	− 9·5	− 1·0	+ 0·23	+ 0·57	+ 0·04	+ 0·23	
3	"	− 10·3	− 1·0	+ 0·32	+ 0·51	− 0·01	+ 0·23	δ Urs. Min. and τ Virginis.
4	"	− 11·8	− 1·0	+ 0·14	+ 0·50	+ 0·03	+ 0·29	δ Urs. Min. and 51 Cephei.
5	"	− 10·9	− 1·0	+ 0·14	+ 0·53	+ 0·03	+ 0·29	
7	"	− 10·8	− 1·0	+ 0·33	+ 0·51	+ 0·02	+ 0·27	115 R. P. L. and α Libræ.
8	"	− 11·2	− 1·0	+ 0·23	+ 0·50	+ 0·03	+ 0·32	115 and 43 R. P. L.
9	"	− 11·0	− 1·0	+ 0·18	+ 0·50	+ 0·01	+ 0·30	115 and 35 R. P. L.
10	"	− 11·5	− 1·0	+ 0·26	+ 0·50	0·00	+ 0·29	
11	"	− 11·2	− 1·0	+ 0·32	+ 0·52	+ 0·01	+ 0·28	
12	"	− 11·3	− 1·0	+ 0·32	+ 0·48	0·00	+ 0·28	
18	"	− 12·3	− 1·0	+ 0·19	+ 0·49	+ 0·01	+ 0·23	
22	"	− 11·4	− 1·0	+ 0·19	+ 0·55	+ 0·02	+ 0·20	δ Urs. Min. and 51 Cephei.
24	"	− 12·0	− 1·0	+ 0·31	+ 0·58	+ 0·03	+ 0·22	δ Urs. Min. and Antares.
25	"	− 11·2	− 1·0	+ 0·23	+ 0·53	+ 0·02	+ 0·26	δ Urs. Min and 51 Cephei.
26	"	− 11·3	− 1·0	+ 0·12	+ 0·58	+ 0·05	+ 0·30	δ Urs. Min. and 51 Cephei.
29	"	− 12·4	− 1·0	+ 0·19	+ 0·48	− 0·01	+ 0·20	δ Urs. Min. and 51 Cephei.
30	"	− 12·1	− 1·0	+ 0·29	+ 0·55	+ 0·04	+ 0·28	δ and 24 Ursæ Minoris, 51 Cephei, and 45 R. P. L.
July 1	R	− 11·4	0·0	+ 0·26	+ 0·48	+ 0·03	+ 0·29	
2	"	− 11·7	0·0	+ 0·15	+ 0·49	+ 0·03	+ 0·29	131 and 45 R. P. L.
5	"	− 11·9	0·0	+ 0·27	+ 0·51	+ 0·03	+ 0·28	
7	"	− 11·6	0·0	+ 0·30	+ 0·47	+ 0·01	+ 0·28	
10	"	− 12·1	0·0	+ 0·25	+ 0·41	+ 0·01	+ 0·27	
12	"	− 11·4	0·0	+ 0·29	+ 0·42	+ 0·04	+ 0·27	
14	"	− 12·3	0·0	+ 0·34	+ 0·42	+ 0·04	+ 0·26	
16	"	− 11·5	0·0	+ 0·32	+ 0·44	+ 0·02	+ 0·26	131 and 35 R. P. L.
20	"	− 11·7	0·0	+ 0·34	+ 0·44	+ 0·02	+ 0·28	
22	"	− 11·2	0·0	+ 0·35	+ 0·43	+ 0·02	+ 0·29	
23	"	− 12·2	0·0	+ 0·36	+ 0·47	+ 0·02	+ 0·30	
28	"	− 11·3	0·0	+ 0·30	+ 0·48	+ 0·02	+ 0·32	
29	"	− 11·4	0·0	+ 0·23	+ 0·46	+ 0·02	+ 0·33	
30	"	− 11·9	0·0	+ 0·26	+ 0·44	+ 0·02	+ 0·33	
Aug. 2	M	− 10·5	+ 0·5	+ 0·31	+ 0·50	+ 0·04	+ 0·34	
3	"	− 11·8	+ 0·5	+ 0·31	+ 0·52	+ 0·05	+ 0·36	
5	"	− 10·9	+ 0·5	+ 0·40	+ 0·50	+ 0·07	+ 0·37	24 Urs. Min. and γ Aquilæ.
7	"	− 9·5	+ 0·5	+ 0·37	+ 0·46	+ 0·05	+ 0·38	
9	"	− 10·3	+ 0·5	+ 0·38	+ 0·44	+ 0·02	+ 0·39	24 Urs. Min. & 51 Cephei.
10	"	− 10·6	+ 0·5	+ 0·35	+ 0·49	+ 0·06	+ 0·64	24 Cephei and Altair.
16	"	− 7·4	+ 0·5	− 0·27	+ 0·43	+ 0·01	+ 0·37	
17	"	− 6·4	+ 0·5	− 0·17	+ 0·40	0·00	+ 0·32	24 Urs. Min. & 51 Cephei.
18	"	− 7·1	+ 0·5	+ 0·02	+ 0·43	+ 0·03	+ 0·37	151, 45 and 70 R. P. L. and 51 Cephei.
20	"	− 6·7	+ 0·5	+ 0·10	+ 0·39	+ 0·02	+ 0·34	24 Urs. Min., 51 Cephei and 45 R. P. L.
21	"	− 6·4	+ 0·5	+ 0·09	+ 0·42	+ 0·03	+ 0·34	24 Urs. Min. & 51 Cephei.
23	"	− 7·6	+ 0·5	+ 0·15	+ 0·43	+ 0·04	+ 0·35	24 Urs. Min., 42 and 45 R. P. L. and 51 Cephei.

May 20. 11*h*. 0*m*.—Changed the 20 grain weight on the weight shelf for the 10 grain weight by mistake: increasing the rate by 1·00 instead of diminishing it.

May 21. 7*h*. 3*m*.—Changed the 10 grain weight on the rate shelf for the 30 grain weight.

August 10th to 16th.—Heavy rain.

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Instrumental Corrections adopted in 1875.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Aug. 24	M	− 7·8	+ 0·5	+ 0·04	+ 0·45	+ 0·05	+ 0·33	24 Urs. Min. & 51 Cephei.
25	„	− 7·7	+ 0·5	+ 0·05	+ 0·44	+ 0·06	+ 0·35	
26	„	− 8·0	+ 0·5	+ 0·22	+ 0·42	+ 0·06	+ 0·36	
27	„	− 7·3	+ 0·5	+ 0·19	+ 0·42	+ 0·04	+ 0·38	
30	„	− 6·7	+ 0·5	+ 0·17	+ 0·40	+ 0·04	+ 0·37	24 Urs. Min., 24 Cephei, 42 and 45 R. P. L.
Sep. 2	R	− 6·9	0·0	+ 0·19	+ 0·37	+ 0·04	+ 0·45	
6	„	− 7·7	0·0	+ 0·10	+ 0·33	+ 0·03	+ 0·48	151 and 70 R. P. L.
7	„	− 7·6	0·0	+ 0·12	+ 0·35	+ 0·05	+ 0·46	150 and 72 R. P. L.
9	„	− 6·2	0·0	+ 0·18	+ 0·37	+ 0·02	+ 0·41	γ Aquilæ and 70 R. P. L.
11	„	− 8·5	0·0	+ 0·19	+ 0·39	+ 0·03	+ 0·50	150 and 72 R. P. L.
14	„	− 8·3	0·0	+ 0·15	+ 0·38	+ 0·04	+ 0·52	
20	„	− 6·9	0·0	+ 0·35	+ 0·41	+ 0·05	+ 0·54	
21	„	− 6·2	0·0	+ 0·27	+ 0·38	+ 0·07	+ 0·55	150 and 87 R. P. L.
22	„	− 5·6	0·0	+ 0·20	+ 0·43	+ 0·05	+ 0·55	24 Urs. Minoris, 24 Cephei and 87 R. P. L.
23	„	− 6·5	0·0	+ 0·18	+ 0·33	+ 0·05	+ 0·51	
24	„	− 6·6	0·0	+ 0·25	+ 0·31	+ 0·03	+ 0·48	
25	„	− 6·8	0·0	+ 0·32	+ 0·32	+ 0·03	+ 0·44	158 and 87 R. P. L.
27	„	− 5·3	0·0	+ 0·31	+ 0·29	+ 0·03	+ 0·51	
28	„	− 6·1	0·0	+ 0·33	+ 0·35	+ 0·06	+ 0·55	24 Cephei and 87 R. P. L.
29	„	− 5·2	0·0	+ 0·28	+ 0·35	+ 0·04	+ 0·53	
Oct. 1	M	− 6·4	+ 0·2	+ 0·32	+ 0·37	+ 0·05	+ 0·49	18 R. P. L. and θ Aquarii.
2	„	− 6·4	+ 0·2	+ 0·30	+ 0·35	+ 0·06	+ 0·47	
4	„	− 6·8	+ 0·2	+ 0·14	+ 0·37	+ 0·05	+ 0·44	
5	„	− 6·9	+ 0·2	+ 0·15	+ 0·38	+ 0·05	+ 0·43	
6	„	− 7·0	+ 0·2	+ 0·33	+ 0·43	+ 0·09	+ 0·41	
7	„	− 6·2	+ 0·2	+ 0·44	+ 0·35	+ 0·01	+ 0·40	18, 60 and 87 R. P. L.
11	„	− 6·0	+ 0·2	+ 0·08	+ 0·33	+ 0·03	+ 0·45	18 and 99 R. P. L.
12	„	− 5·0	+ 0·2	+ 0·05	+ 0·33	+ 0·07	+ 0·45	
13	„	− 4·5	+ 0·2	+ 0·12	+ 0·32	+ 0·06	+ 0·45	12 and 87 R. P. L.
14	„	− 5·4	+ 0·2	+ 0·20	+ 0·28	+ 0·06	+ 0·45	
16	„	− 5·2	+ 0·2	+ 0·20	+ 0·24	+ 0·05	+ 0·46	
19	„	− 4·8	+ 0·2	+ 0·21	+ 0·19	+ 0·01	+ 0·48	
22	„	− 3·4	+ 0·2	+ 0·13	+ 0·33	+ 0·08	+ 0·49	12, 18 and 87 R. P. L.
23	„	− 2·1	+ 0·2	+ 0·06	+ 0·36	+ 0·06	+ 0·47	12, 18 and 90 R. P. L.
25	„	− 3·3	+ 0·2	+ 0·08	+ 0·39	+ 0·02	+ 0·41	12, 18 and 89 R. P. L.
26	„	− 3·6	+ 0·2	+ 0·07	+ 0·40	+ 0·04	+ 0·45	18 and 92 R. P. L.
27	„	− 3·4	+ 0·2	+ 0·01	+ 0·40	+ 0·02	+ 0·44	18 and 92 R. P. L.
28	„	− 4·3	+ 0·2	+ 0·05	+ 0·45	+ 0·02	+ 0·42	158, 92 and 93 R. P. L.
29	„	− 4·0	+ 0·2	+ 0·08	+ 0·39	+ 0·02	+ 0·38	158, 92, 93 and 103 R. P. L.
30	„	− 4·8	+ 0·2	+ 0·07	+ 0·41	+ 0·02	+ 0·43	158, 92 and 103 R. P. L.
Nov. 1	R	− 3·9	0·0	− 0·15	+ 0·28	+ 0·01	+ 0·34	12, 93 and 103 R. P. L.
2	„	− 5·8	0·0	− 0·10	+ 0·33	+ 0·02	+ 0·50	14, 93 and 103 R. P. L.
3	„	− 5·6	0·0	− 0·05	+ 0·32	+ 0·03	+ 0·44	10 and 103 R. P. L.
4	„	− 5·4	0·0	− 0·03	+ 0·31	+ 0·04	+ 0·47	12 and 90 R. P. L.
5	„	− 6·4	0·0	− 0·03	+ 0·28	+ 0·03	+ 0·46	
6	„	− 5·4	0·0	− 0·04	+ 0·31	+ 0·04	+ 0·46	
8	„	− 5·5	0·0	+ 0·14	+ 0·33	+ 0·02	+ 0·45	
9	„	− 5·1	0·0	+ 0·13	+ 0·35	+ 0·03	+ 0·45	
11	„	− 5·8	0·0	+ 0·26	+ 0·36	+ 0·04	+ 0·44	
12	„	− 6·2	0·0	+ 0·28	+ 0·37	+ 0·04	+ 0·43	
15	„	− 2·9	0·0	+ 0·14	+ 0·32	+ 0·03	+ 0·42	
16	„	− 1·4	0·0	+ 0·09	+ 0·30	+ 0·03	+ 0·42	18 and 98 R. P. L.
17	„	− 2·4	0·0	+ 0·07	+ 0·33	+ 0·04	+ 0·53	
19	„	− 1·8	0·0	+ 0·19	+ 0·32	+ 0·04	+ 0·59	14 and 98 R. P. L.
20	„	− 3·0	0·0	+ 0·19	+ 0·35	+ 0·05	+ 0·56	
23	„	− 0·5	0·0	+ 0·10	+ 0·33	+ 0·05	+ 0·46	

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Instrumental Corrections adopted in 1875.

Date.	Obs.	Index.	Run in 5′	Clock Rate.	Inclina-tion.	Collima-tion.	Meridian.	Determining tars.
		″	″	s	s	s	s	
Nov. 25	R	− 1·2	0·0	+ 0·13	+ 0·32	+ 0·05	+ 0·40	12 and 93 R. P. L.
27	„	− 1·0	0·0	+ 0·16	+ 0·32	+ 0·03	+ 0·49	34 and 111 R. P. L.
29	„	− 2·1	0·0	+ 0·12	+ 0·26	+ 0·04	+ 0·58	
30	„	− 3·3	0·0	+ 0·23	+ 0·28	+ 0·05	+ 0·63	14 and 98 R. P. L.
Dec. 1	M	− 2·9	− 0·6	+ 0·23	+ 0·30	+ 0·04	+ 0·52	
2	„	− 3·7	− 0·6	+ 0·09	+ 0·29	+ 0·04	+ 0·40	
3	„	...	...	...	+ 0·31	+ 0·04	+ 0·29	Polaris and ν Piscium.
8	„	− 2·9	− 0·6	+ 0·18	+ 0·33	+ 0·07	+ 0·46	12 and 101 R. P. L.
10	„	− 3·7	− 0·6	+ 0·15	+ 0·30	+ 0·02	+ 0·37	Polaris and θ^1 Ceti.
11	„	− 3·6	− 0·6	+ 0·12	+ 0·35	+ 0·05	+ 0·41	
14	„	− 4·4	− 0·6	+ 0·05	+ 0·28	+ 0·04	+ 0·54	33 R. P. L. and θ^1 Ceti.
18	„	− 5·0	− 0·6	− 0·12	+ 0·36	+ 0·09	+ 0·49	26 and 108 R. P. L.
20	„	− 5·6	− 0·6	+ 0·01	+ 0·37	+ 0·10	+ 0·50	33 and 114 R. P. L.
21	„	− 5·1	− 0·6	+ 0·07	+ 0·30	+ 0·04	+ 0·36	26 and 111 R. P. L.
22	„	− 4·6	− 0·6	+ 0·06	+ 0·31	+ 0·04	+ 0·36	26 and 111 R. P. L.
25	„	− 5·9	− 0·6	+ 0·05	+ 0·26	+ 0·04	+ 0·37	33 and 114 R. P. L.

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Instrumental Corrections adopted in 1876.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining stars.
		″	″	s	s	s	s	
Jan. 4	R	− 7·8	0·0	+ 0·21	+ 0·31	+ 0·08	+ 0·49	34 and 111 R. P. L.
5	”	− 7·8	0·0	+ 0·18	+ 0·32	+ 0·05	+ 0·49	
6	”	− 8·3	0·0	+ 0·20	+ 0·33	+ 0·05	+ 0·49	
7	”	− 8·7	0·0	+ 0·18	+ 0·29	+ 0·08	+ 0·49	
8	”	− 7·4	0·0	+ 0·10	+ 0·33	+ 0·06	+ 0·49	33 and 114 R. P. L.
10	”	− 8·3	0·0	− 0·01	+ 0·31	+ 0·04	+ 0·45	
11	”	− 8·8	0·0	+ 0·10	+ 0·31	+ 0·05	+ 0·44	
12	”	− 8·7	0·0	+ 0·20	+ 0·29	+ 0·05	+ 0·42	
13	”	− 9·3	0·0	+ 0·14	+ 0·30	+ 0·04	+ 0·40	35 and 111 R. P. L.
14	”	− 9·3	0·0	+ 0·13	+ 0·29	+ 0·04	+ 0·48	
15	”	− 9·1	0·0	+ 0·11	+ 0·30	+ 0·05	+ 0·57	34 and 115 R. P. L.
17	”	− 9·5	0·0	+ 0·17	+ 0·26	+ 0·05	+ 0·53	
18	”	− 9·3	0·0	+ 0·06	+ 0·23	+ 0·04	+ 0·51	
19	”	− 9·8	0·0	− 0·02	+ 0·21	+ 0·03	+ 0·50	
20	”	− 10·4	0·0	+ 0·04	+ 0·20	+ 0·03	+ 0·48	
22	”	− 10·3	0·0	+ 0·10	+ 0·22	+ 0·03	+ 0·44	40 and 116 R. P. L.
28	”	− 11·9	0·0	+ 0·12	+ 0·17	+ 0·02	+ 0·40	35 and 115 R. P. L.
31	”	− 11·7	0·0	+ 0·26	+ 0·19	+ 0·02	+ 0·41	40 and 116 R. P. L.
Feb. 2	M	− 12·8	− 0·7	+ 0·31	+ 0·19	+ 0·01	+ 0·36	40 R. P. L. and δ Urs. Min.
7	”	− 13·7	− 0·7	+ 0·24	+ 0·14	− 0·04	+ 0·36	40 R. P. L. and ε Urs. Min.
14	”	− 14·2	− 0·7	+ 0·24	+ 0·20	+ 0·04	+ 0·43	40 R. P. L. and δ Urs. Min.
21	”	− 14·6	− 0·7	+ 0·16	+ 0·18	0·00	+ 0·31	51 Cephei and δ Urs. Min.
28	”	− 13·5	− 0·7	+ 0·12	+ 0·27	0·00	+ 0·27	51 Cephei and 131 R. P. L.
Mar. 6	R	− 12·0	0·0	+ 0·13	+ 0·33	+ 0·03	+ 0·33	49 and 131 R. P. L.
13	”	− 12·2	0·0	+ 0·16	+ 0·35	+ 0·04	+ 0·37	60 and 143 R. P. L.
20	”	− 12·7	0·0	+ 0·14	+ 0·39	+ 0·05	+ 0·38	70 and 143 R. P. L.
27	”	− 11·5	0·0	− 0·04	+ 0·39	+ 0·02	+ 0·29	60 and 150 R. P. L.
28	”	− 11·4	0·0	+ 0·07	+ 0·43	+ 0·04	+ 0·32	72 and 150 R. P. L.
29	”	− 11·3	0·0	+ 0·18	+ 0·38	+ 0·02	+ 0·26	72 and 151 R. P. L.
30	”	− 11·9	0·0	+ 0·14	+ 0·39	+ 0·01	+ 0·22	69 and 151 R. P. L.
31	”	− 11·5	0·0	+ 0·11	+ 0·42	+ 0·01	+ 0·26	
Apl. 3	M	− 11·8	0·0	+ 0·09	+ 0·55	+ 0·07	+ 0·38	72 and 150 R. P. L.
10	”	− 11·0	0·0	+ 0·07	+ 0·62	+ 0·11	+ 0·35	89 R. P. L. and η Virginis.
17	R	− 10·1	0·0	+ 0·01	+ 0·54	+ 0·07	+ 0·39	72 and 150 R. P. L.
19	”	− 10·8	0·0	+ 0·05	+ 0·58	+ 0·05	+ 0·35	70 and 151 R. P. L.
20	”	− 10·6	0·0	+ 0·09	+ 0·58	+ 0·08	+ 0·33	
21	”	− 10·2	0·0	+ 0·12	+ 0·53	+ 0·05	+ 0·30	89 and 158 R. P. L.
22	”	− 10·1	0·0	+ 0·11	+ 0·52	+ 0·03	+ 0·30	
24	”	− 10·4	0·0	+ 0·06	+ 0·54	+ 0·06	+ 0·32	98 and 158 R. P. L.
27	”	− 10·4	0·0	+ 0·16	+ 0·54	+ 0·05	+ 0·19	103 and 12 R. P. L.
28	”	− 10·5	0·0	+ 0·14	+ 0·54	+ 0·05	+ 0·09	99 and 14 R. P. L.
29	”	− 10·5	0·0	+ 0·08	+ 0·50	+ 0·06	+ 0·17	108 and 33 R. P. L.
May 1	”	− 9·8	0·0	+ 0·10	+ 0·51	+ 0·06	+ 0·23	Arcturus & 33 R. P. L.
3	”	− 11·0	0·0	+ 0·14	+ 0·52	+ 0·05	+ 0·18	103 and 12 R. P. L.
9	”	− 10·7	0·0	+ 0·06	+ 0·52	+ 0·04	+ 0·06	108 and 14 R. P. L.
12	”	− 10·6	0·0	+ 0·06	+ 0·52	+ 0·03	+ 0·17	114 and 33 R. P. L.
13	”	− 10·2	0·0	+ 0·10	+ 0·55	+ 0·04	+ 0·21	108 and 18 R. P. L.
16	”	− 10·7	0·0	+ 0·09	+ 0·58	+ 0·04	+ 0·14	103 and 12 R. P. L.
17	”	− 10·5	0·0	+ 0·10	+ 0·56	+ 0·02	+ 0·36	111 and 35 R. P. L.
20	”	− 9·7	0·0	+ 0·17	+ 0·54	+ 0·02	+ 0·41	111 and 35 R. P. L.
22	”	− 10·0	0·0	+ 0·19	+ 0·52	+ 0·04	+ 0·37	114 and 35 R. P. L.
25	”	− 10·1	0·0	+ 0·18	+ 0·52	+ 0·03	+ 0·33	114 and 35 R. P. L.
26	”	− 9·4	0·0	+ 0·18	+ 0·52	+ 0·05	+ 0·35	114 and 35 R. P. L.
June 2	M	− 8·9	0·0	+ 0·32	+ 0·61	+ 0·06	+ 0·39	114 R. P. L. and α Libræ.

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Instrumental Corrections adopted in 1876.

Date.	Obs.	Index.	Run in 5′.	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars
		″.	″	s	s	s	s	
June 5	M	− 9·4	0·0	+ 0·28	+ 0·57	+ 0·08	+ 0·39	
6	,,	− 10·1	0·0	+ 0·26	+ 0·60	+ 0·03	+ 0·39	δ Ursæ Min. and α Libræ.
8	,,	− 8·9	0·0	+ 0·27	+ 0·59	+ 0·03	+ 0·38	
14	,,	− 9·3	0·0	+ 0·28	+ 0·60	+ 0·04	+ 0·37	114 and 35 R. P. L.
17	,,	− 7·2	0·0	+ 0·26	+ 0·59	+ 0·05	+ 0·40	131 and 43 R. P. L.
27	,,	− 7·0	0·0	+ 0·26	+ 0·60	− 0·04	+ 0·42	
July 5	R	− 6·7	0·0	+ 0·25	+ 0·49	+ 0·02	+ 0·44	
10	,,	− 9·2	0·0	+ 0·06	+ 0·47	+ 0·08	+ 0·45	
19	,,	− 7·7	0·0	− 0·06	+ 0·47	+ 0·05	+ 0·47	
20	,,	− 8·1	0·0	− 0·09	+ 0·44	+ 0·03	+ 0·47	
22	,,	− 7·8	0·0	− 0·14	+ 0·40	+ 0·03	+ 0·47	
29	,,	− 7·2	0·0	+ 0·03	+ 0·45	+ 0·05	+ 0·49	24 Urs. Min. & 42 R. P. L.
31	,,	− 6·5		+ 0·06	+ 0·43	+ 0·04	+ 0·52	131 and 42 R. P. L.
Aug. 1	,,	− 7·9	0·0	+ 0·07	+ 0·46	+ 0·04	+ 0·53	δ Urs. Min. & 42 R. P. L.
2	,,	− 7·7	0·0	+ 0·09	+ 0·42	+ 0·05	+ 0·51	
3	,,	− 7·2	0·0	+ 0·08	+ 0·44	+ 0·05	+ 0·50	24 Urs. Min. & 42 R. P. L.
4	,,	− 7·8	0·0	+ 0·06	+ 0·42	+ 0·04	+ 0·48	24 Urs. Min. & 42 R. P. L.
7	,,	− 8·3	0·0	+ 0·07	+ 0·43	+ 0·06	+ 0·48	
10	,,	− 7·8	0·0	+ 0·12	+ 0·43	+ 0·05	+ 0·48	
12	,,	− 7·5	0·0	+ 0·07	+ 0·42	+ 0·04	+ 0·48	
14	,,	− 7·3	0·0	− 0·12	+ 0·41	+ 0·04	+ 0·49	
15	,,	− 6·8	0·0	− 0·16	+ 0·43	+ 0·06	+ 0·49	
16	,,	− 7·7	0·0	− 0·15	+ 0·40	+ 0·03	+ 0·49	
18	,,	− 8·0	0·0	− 0·07	+ 0·40	+ 0·04	+ 0·49	
21	M	− 8·9	0·0	+ 0·02	+ 0·48	+ 0·03	+ 0·49	131 and 45 R. P. L.
26	R	− 7·9	0·0	− 0·13	+ 0·40	+ 0·04	+ 0·50	δ Urs. Min. and 42 R. P. L.
Sep. 6	,,	− 7·1	− 0·1	− 0·18	+ 0·38	+ 0·05	+ 0·47	143 and 70 R. P. L.
7	,,	− 5·7	− 0·1	− 0·17	+ 0·38	+ 0·05	+ 0·46	
14	,,	− 6·7	− 0·1	− 0·10	+ 0·41	+ 0·05	+ 0·37	143 and 60 R. P. L.
18	,,	− 6·5	− 0·1	− 0·11	+ 0·38	+ 0·05	+ 0·41	143 and 49 R. P. L.
19	,,	− 7·8	− 0·1	− 0·01	+ 0·40	+ 0·05	+ 0·43	
20	,,	− 8·2	− 0·1	+ 0·08	+ 0·40	+ 0·04	+ 0·45	
22	,,	− 7·0	− 0·1	+ 0·16	+ 0·39	+ 0·04	+ 0·49	
23	,,	− 7·7	− 0·1	+ 0·17	+ 0·41	+ 0·05	+ 0·51	
25	,,	− 8·7	− 0·1	+ 0·08	+ 0·38	+ 0·04	+ 0·55	151 and 72 R. P. L.
26	,,	− 7·5	− 0·1	+ 0·08	+ 0·39	+ 0·05	+ 0·53	
29	,,	− 6·2	− 0·1	+ 0·14	+ 0·46	+ 0·04	+ 0·49	150 and 70 R. P. L.
Oct. 2	,,	− 6·7	− 0·1	+ 0·07	+ 0·38	+ 0·05	+ 0·51	
4	,,	− 6·6	− 0·1	+ 0·09	+ 0·38	+ 0·05	+ 0·52	
5	,,	− 7·5	− 0·1	+ 0·08	+ 0·37	+ 0·04	+ 0·53	
7	,,	− 6·8	− 0·1	− 0·08	+ 0·33	+ 0·04	+ 0·54	
10	,,	− 6·7	− 0·1	− 0·16	+ 0·36	+ 0·04	+ 0·55	151 and 69 R. P. L.
13	,,	− 7·6	− 0·1	− 0·01	+ 0·38	+ 0·05	+ 0·46	150 and 70 R. P. L.
18	M	− 8·6	+ 0·6	+ 0·27	+ 0·38	+ 0·04	+ 0·40	
19	,,	− 8·3	+ 0·6	+ 0·22	+ 0·33	0·00	+ 0·39	143 and 60 R. P. L.
21	,,	− 9·8	+ 0·6	− 0·07	+ 0·33	+ 0·01	+ 0·38	143 and 60 R. P. L.
23	,,	− 9·1	+ 0·6	− 0·19	+ 0·34	+ 0·04	+ 0·42	143 and 60 R. P. L.
24	,,	− 9·3	+ 0·6	− 0·18	+ 0·35	+ 0·04	+ 0·41	
30	,,	− 9·4	+ 0·6	− 0·08	+ 0·26	+ 0·03	+ 0·38	143 and 60 R. P. L.
31	,,	− 9·3	+ 0·6	− 0·06	+ 0·26	+ 0·04	+ 0·44	150 and 60 R. P. L.
Nov. 1	,,	− 9·1	− 0·1	− 0·04	+ 0·26	+ 0·04	+ 0·47	
2	,,	− 9·8	− 0·1	− 0·01	+ 0·28	+ 0·06	+ 0·50	150 and 70 R. P. L.
3	,,	− 10·0	− 0·1	+ 0·01	+ 0·28	+ 0·06	+ 0·47	150 and 70 R. P. L.
14	,,	− 5·3	− 0·1	− 0·23	+ 0·23	+ 0·07	+ 0·47	Polaris and β Ceti.
27	,,	− 8·8	− 0·1	− 0·27	+ 0·13	+ 0·01	+ 0·45	2 Urs. Min. and 89 R. P. L.

Heavy rain between November 3rd and 14th.

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Instrumental Corrections adopted in 1876.

Date.	Obs.	Index.	Run in 5′	Clock Rate.	Inclina-tion.	Collima-tion.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Nov. 30	M	− 8·7	− 0·1	− 0·15	+ 0·18	+ 0·05	+ 0·51	Polaris and 116 R. P. L.
Dec. 1	„	− 6·8	− 0·3	− 0·32	+ 0·17	+ 0·02	+ 0·52	
4	„	− 6·8	− 0·3	− 0·65	+ 0·15	+ 0·04	+ 0 54	34 and 115 R. P. L.
5	„	− 6·9	− 0·3	− 0·54	+ 0·09	+ 0·02	+ 0·54	
6	„	− 7·0	− 0·3	− 0·47	+ 0·10	+ 0·02	+ 0·54	34 and 115 R. P. L.
7	„	− 7·3	− 0·3	− 0·42	+ 0·10	+ 0·02	+ 0·53	
8	„	− 8·0	− 0·3	− 0·48	+ 0·10	+ 0·03	+ 0·52	
9	„	− 7·6	− 0·3	− 0·52	+ 0·08	+ 0·02	+ 0·51	
11	„	− 8·5	− 0·3	− 0·35	+ 0·06	+ 0·01	+ 0·50	
12	„	− 8·7	− 0·3	− 0·37	+ 0·10	+ 0·01	+ 0·49	34 and 116 R. P. L.
13	„	− 8·8	− 0·3	− 0·43	+ 0·08	− 0·01	+ 0·46	
14	„	− 8·9	− 0·3	− 0·42	+ 0·08	0·00	+ 0·43	
15	„	− 9·1	− 0·3	− 0·34	+ 0·09	+ 0·01	+ 0·40	2 Urs. Min. & 111 R. P. L.
16	„	− 10·2	− 0·3	− 0·36	+ 0·12	+ 0·05	+ 0·46	
18	„	− 9·7	− 0·3	− 0·36	+ 0·08	+ 0·01	+ 0·59	2 Urs. Min. & 103 R. P. L.
19	„	− 10·5	− 0·3	− 0·31	+ 0·08	+ 0·02	+ 0·54	
20	„	− 11·1	− 0·3	− 0·32	+ 0·06	+ 0·01	+ 0·50	2 Urs. Min. & 111 R. P. L.
21	„	− 11·7	− 0·3	− 0·36	+ 0·05	+ 0·04	+ 0·47	2 Urs. Min. and θ^1 Ceti.
22	„	− 10·9	− 0·3	− 0·36	+ 0·06	+ 0·01	+ 0·44	
29	R	− 10·2	− 0·3	− 0·28	+ 0·12	+ 0·04	+ 0·46	35 R. P. L. and δ Urs. Min.

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Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Stars.	Approximate Place 1875.				1874.			1875.			1876.		
					Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h.	m.	°	′		s	″		s	″		s	″
α Andromedæ ...	0	2	61	36	2	− 0·08	− 0·8	1	+ 0·18	+ 1·0	...	......	......
γ Pegasi (*Algenib*) ...	0	7	75	31	4	+ 0·01	− 1·2	2	− 0·03	+ 0·6	...	......	......
12 Ceti	0	24	94	39	7	0·00	− 1·3	1	− 0·04	− 0·4	1	+ 0·07	+ 0·4
β Ceti	0	37	108	40	6	− 0·03	− 0·9	3	+ 0·11	− 0·7	1	+ 0·01	− 0·5
ε Piscium	0	56	82	47	7	− 0·04	− 1·3	3	− 0·03	− 1·0	1	− 0·01	0·0
α Urs. Min. (*Polaris*) .	1	13	1	21	1	− 0·55	+ 2·6	2	+ 0·94	+ 3·7	...	......	......
θ Ceti	1	18	98	50	1	+ 0·06	− 2·1	6	+ 0·04	− 0·1	3	− 0·04	− 0·4
η Piscium	1	25	75	18	1	− 0·02	+ 1·7	6	− 0·01	+ 1·0	...	......	......
ν Piscium	1	35	85	9	3	+ 0·13	− 2·2	4	− 0·02	− 1·8	7	+ 0·05	− 1·8
β Arietis	1	48	69	48	7	+ 0·03	− 1·2	6	+ 0·01	− 0·8	2	− 0·01	+ 0·2
α Arietis	2	0	67	8	...	......	......	5	− 0·06	− 0·3	6	0·00	+ 1·9
67 Ceti	2	11	97	0	1	+ 0·12	− 1·5	5	+ 0·01	− 1·0	6	+ 0·03	− 0·2
ξ² Ceti	2	22	82	6	3	+ 0·03	− 1·5	5	+ 0·01	− 1·8	6	− 0·03	− 0·4
γ² Ceti	2	37	87	18	17	− 0·01	− 2·7	6	+ 0·01	− 3·1	10	+ 0·02	− 1·1
α Ceti (*Menkar*) ...	2	56	86	24	11	− 0·05	− 1·1	8	− 0·02	− 2·4	8	+ 0·01	− 1·7
δ Arietis	3	4	70	45	4	0·00	+ 1·2	5	+ 0·03	+ 0·4	9	− 0·03	+ 1·0
α Persei	3	15	40	35	1	− 0·12	+ 0·1	...	......	......	...	......	......
ε Eridani	3	27	99	53	...	......	......	...	......	......	1	0·00	− 1·4
η Tauri (*Alcyone*) ...	3	40	66	17	11	− 0·02	− 0·3	12	− 0·01	− 0·3	8	+ 0·02	0·0
γ¹ Eridani	3	52	103	52	20	+ 0·02	− 1·2	9	+ 0·02	− 1·2	11	0·00	− 0·3
o¹ Eridani	4	6	97	10	11	+ 0·04	− 0·6	2	+ 0·02	− 2·2	5	0·00	+ 0·1
ε Tauri	4	21	71	6	10	+ 0·03	− 0·2	7	− 0·01	− 0·7	7	0·00	+ 0·3
α Tauri (*Aldebaran*)...	4	29	73	45	10	− 0·03	+ 0·4	4	+ 0·02	+ 0·1	5	− 0·03	+ 1·3
ι Aurigæ	4	49	57	2	17	+ 0·01	− 0·5	8	+ 0·07	− 0·3	8	+ 0·03	+ 0·2
ε Leporis	5	0	112	32	16	+ 0·01	− 1·5	7	− 0·02	− 1·0	7	− 0·01	− 0·2
α Aurigæ (*Capella*) ...	5	7	44	8	1	− 0·17	+ 0·1	...	......	......	...	......	......
β Orionis (*Rigel*) ..	5	9	98	21	9	0·00	− 1·9	...	......	......	2	+ 0·02	− 0·8
β Tauri	5	18	61	30	18	0·00	− 0·5	7	− 0·06	0·0	...	......	......
δ Orionis	5	26	90	24	2	− 0·03	− 2·5	3	− 0·06	− 0·7	1	0·00	+ 1·5
α Leporis	5	27	107	55	4	− 0·05	− 0·6	...	......	......	2	− 0·02	+ 0·5
ε Orionis	5	30	91	17	9	+ 0·07	− 1·4	1	− 0·05	− 0·3	4	− 0·05	0·0
α Columbæ	5	35	124	8	1	− 0·15	− 0·4	...	....	......	3	− 0·02	+ 1·0
α Orionis	5	48	82	37	13	− 0·05	− 1·6	5	+ 0·16	− 0·9	4	0·00	+ 2·0
ν Orionis	6	0	75	13	6	+ 0·07	− 0·3	1	+ 0·07	− 1·8	2	+ 0·01	+ 1·2
μ Geminorum ...	6	15	67	25	6	− 0·02	− 0·7	2	− 0·03	− 0·5	...	......	......

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Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Stars.	Approximate Place 1875.				1874.			1875.			1876.		
					Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h.	m.	°	′		s	″		s	″		s	″
γ Geminorum ...	6	30	73	30	1	+0·14	+ 0·2	8	+0·06	+ 0·1	1	+0·01	+ 0·2
α Canis Maj. (*Sirius*)..	6	40	106	33	1	−0·12	+ 3·0	...	......	......	...	......	......
51 (Hev.) Cephei ...	6	41	2	46	2	+0·37	+ 0·7	16	+0·14	+ 2·1	2	+0·15	− 1·3
ε Canis Majoris ...	6	54	113	48	1	+0·02	− 1·7	15	−0·03	− 0·4	...	......	......
γ Canis Majoris ...	6	58	105	27	6	0·00	− 0·1	14	−0·04	0·0	1	−0·04	+ 0·2
α² Geminorum (*Castor*)	7	27	57	50	4	+0·02	+ 0·4	13	+0·03	+ 0·1	2	+0·02	+ 0·3
α Can. Min. (*Procyon*)	7	33	84	27	13	−0·08	− 2·7	9	−0·08	− 1·7	3	−0·12	− 3·3
β Geminorum (*Pollux*)	7	38	61	40	5	+0·08	+ 1·0	5	+0·07	− 0·1	2	+0·15	− 0·2
6 Cancri	7	56	61	51	2	+0·06	+ 0·3	5	−0·02	− 0·8	2	+0·04	− 1·6
15 Argûs (*Navis*) ...	8	2	113	57	7	−0·07	− 0·3	7	+0·03	− 0·4	2	−0·04	− 1·8
η Cancri	8	25	69	8	7	+0·05	− 0·6	5	+0·04	− 2·5	1	+0·03	− 1·4
ε Hydræ	8	40	83	7	13	+0·01	− 1·3	6	+0·01	− 1·1	3	+0·02	− 2·8
83 Cancri	9	12	71	46	6	+0·04	− 0·3	1	+0·02	− 0·8	3	0·00	− 1·4
α Hydræ	9	21	98	7	11	−0·02	− 1·2	...	......	......	3	−0·05	− 1·5
θ Ursæ Majoris ...	9	24	37	45	2	+0·18	− 3·7	...	......	......	...	......	......
ε Leonis	9	39	65	39	10	−0·02	+ 0·6	3	−0·03	− 1·4	3	−0·01	− 0·4
π Leonis	9	54	81	21	7	+0·02	− 0·7	1	+0·06	− 1·8	1	−0·08	− 1·2
α Leonis (*Regulus*) ...	10	2	77	25	8	−0·01	− 0·2	3	+0·04	− 0·5	2	−0·04	− 0·9
γ¹ Leonis	10	13	69	32	7	−0·04	− 0·5	4	+0·04	+ 0·9	2	−0·03	− 0·5
ρ Leonis	10	26	80	3	5	−0·04	− 3·1	6	−0·04	− 2·6	1	−0·02	− 4·0
l Leonis	10	43	78	48	8	+0·05	− 1·7	10	+0·03	− 2·2	5	+0·04	− 2·4
χ Leonis	10	59	81	59	5	+0·02	− 1·6	11	0·00	− 2·3	2	+0·03	− 2·5
δ Leonis	11	7	68	48	3	−0·07	+ 0·1	14	−0·04	− 1·3	2	−0·06	− 1·7
δ Crateris	11	13	104	6	2	+0·01	0·0	7	+0·01	− 1·5	4	0·00	− 1·0
υ Leonis	11	31	90	8	...	......	......	10	+0·01	− 1·8	2	+0·02	− 1·8
β Leonis (*Deneb*) ...	11	43	74	44	1	−0·02	− 0·4	8	+0·04	0·0	3	+0·02	− 0·1
γ Ursæ Majoris ...	11	47	35	37	1	+0·09	− 2·4	...	......	......	...	......	......
ε Corvi	12	4	111	55	5	+0·01	− 0·6	2	+0·05	− 0·3	2	−0·05	− 1·1
η Virginis	12	14	89	58	4	+0·02	− 1·9	...	......	......	2	+0·03	− 2·0
α¹ Crucis	12	20	152	24	1	−0·18	− 0·6	...	......	......	...	......	......
β Corvi	12	28	112	42	4	+0·06	− 1·3	4	+0·03	+ 0·4	1	−0·02	− 1·6
γ Virginis (*Mean*) ...	12	35	90	46	4	+0·06	+ 1·5	...	......	......	...	......	......
α Canum Venaticor...	12	50	51	0	2	+0·03	− 0·2	13	+0·03	+ 0·3	...	......	......
θ Virginis	13	3	94	52	10	+0·01	0·0	16	0·00	− 0·7	6	−0·02	− 1·8
α Virginis (*Spica*) ...	13	19	100	30	9	−0·03	0·0	10	−0·03	− 1·0	1	+0·04	− 1·4

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Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1875.				1874.			1875.			1876.		
					Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h.	m.	°	′		s	″		s	″		s	″
ζ Virginis	13	28	89	57	6	+0·03	− 0·6	8	−0·01	− 0·1	4	+0·01	− 1·5
η Bootis	13	49	70	58	14	−0·01	− 0·7	13	−0·01	− 1·1	5	0·00	− 2·0
β Centauri	13	55	149	46	3	−0·04	− 0·1	3	−0·14	− 2·2	...	......	......
τ Virginis	13	55	87	51	...	......	......	11	0·00	− 1·8	7	+0·01	− 2·8
α Bootis (*Arcturus*)....	14	10	70	10	5	+0·02	+ 1·4	10	−0·01	+ 0·9	5	−0·03	+ 0·6
ρ Bootis	14	26	59	5	2	−0·03	+ 1·2	11	−0·02	+ 0·1	2	−0·01	− 0·4
ε² Bootis (*Mirac*) ...	14	40	62	24	13	+0·01	+ 0·4	13	+0·02	− 0·6	2	−0·09	− 1·1
α Libræ	14	44	105	31	3	−0·05	+ 1·4	12	−0·02	+ 0·3	8	+0·02	− 0·5
ψ Bootis	14	59	62	34	3	+0·02	− 0·6	8	−0·02	− 0·2	2	−0·04	− 0·8
β Libræ	15	10	93	55	9	+0·02	− 0·1	9	+0·04	− 0·8	4	+0·04	− 1·4
α Coronæ Borealis ...	15	29	62	52	7	−0·04	− 0·9	6	−0·01	− 0·3	·4	+0·02	− 0·6
α Serpentis	15	38	83	11	5	+0·01	− 2·0	6	0·00	− 1·3	3	−0·04	− 1·0
ζ Ursæ Minoris ...	15	49	11	49	...	......	......	1	+0·31	− 2·5	...	......	......
β¹ Scorpii	15	58	109	28	10	−0·03	− 1·7	5	+0·06	− 1·6	1	0·00	− 0·4
δ Ophiuchi	16	8	93	22	9	+0·03	+ 0·3	7	+0·02	+ 0·5	4	0·00	+ 1·1
α Scorpii (*Antares*) ...	16	22	116	9	6	0·00	− 1·9	5	−0·03	− 0·9	3	+0·03	+ 0·6
η² Draconis	16	22	28	12	...	......	......	7	+0·18	− 3·0	...	......	......
α Trianguli Australis..	16	35	158	48	3	−0·07	+ 3·0	4	−0·05	+ 0·1	...	......	......
ζ Herculis	16	37	58	10	3	−0·06	+ 0·4	7	−0·06	+ 0·3	6	−0·04	+ 0·3
κ Ophiuchi	16	52	80	26	8	0·00	− 0·9	17	+0·03	− 0·6	3	+0·04	− 1·0
ε Ursæ Minoris ...	16	59	7	46	3	+0·02	− 0·1	1	−1·17	+ 0·7	1	+0·77	+ 0·7
α¹ Herculis	17	9	75	28	8	+0·03	− 0·9	15	−0·02	− 2·0	9	+0·02	− 2·0
θ Ophiuchi	17	14	114	52	4	+0·04	+ 0·3	5	+0·07	+ 1·3	4	+0·04	+ 0·5
β Draconis	17	28	37	36	2	−0·09	0·0	3	+0·02	− 3·2	...	......	......
α Ophiuchi	17	29	77	21	2	−0·04	+ 0·2	4	+0·04	− 0·7	8	+0·03	− 1·1
μ Herculis	17	42	62	12	4	0·00	− 0·1	9	−0·06	− 0·8	7	−0·06	− 1·5
γ Draconis	17	54	38	30	1	+0·09	+ 1·5	...	......	......	...	......	......
μ Sagittarii	18	6	111	5	3	+0·07	0·0	9	+0·06	− 0·2	3	+0·04	− 1·2
δ Ursæ Minoris ...	18	13	3	24	3	−0·45	− 2·3	...	......	......	6	−0·71	− 0·6
α Lyræ (*Vega*) ...	18	33	51	20	9	−0·04	+ 0·6	2	−0·02	− 1·2	2	−0·08	− 1·0
β¹ Lyræ	18	45	56	47	10	−0·03	+ 0·8	3	−0·01	− 1·6	2	+0·01	− 0·4
ζ Aquilæ	19	0	76	19	13	+0·03	+ 0·7	12	+0·02	− 0·3	7	0·00	0·0
ω Aquilæ	19	12	78	38	10	+0·05	− 1·6	6	−0·03	− 0·1	3	+0·03	− 1·6
δ Aquilæ	19	19	87	8	16	0·00	− 0·8	4	+0·07	− 1·2	3	−0·03	− 1·0
h² Sagittarii... ...	19	29	115	9	10	−0·03	+ 0·7	1	+0·03	+ 0·9	4	0·00	− 0·4

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Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1875.				1874.			1875.			1876.		
					Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h.	m.	°	′		s	″		s	″		s	″
γ Aquilæ	19	40	79	41	10	− 0·02	− 1·4	10	− 0·05	− 0·6	2	0·00	− 2·5
α Aquilæ (*Altair*) ..	19	45	81	28	9	− 0·01	− 2·0	5	+ 0·02	− 1·2	1	+ 0·04	− 1·7
β Aquilæ	19	49	83	54	5	+ 0·07	− 1·3	4	+ 0·03	− 1·5	2	+ 0·10	− 2·4
α² Capricorni ...	20	11	102	56	7	− 0·02	− 1·0	1	+ 0·05	+ 1·8	5	+ 0·03	− 0·2
ρ Capricorni	20	22	108	14	11	+ 0·04	− 1·4	5	− 0·01	− 1·6	5	+ 0·03	− 0·2
α Cygni (*Deneb*) ...	20	37	45	10	13	− 0·02	− 0·3	3	+ 0·03	+ 0·1	3	+ 0·11	− 0·2
32 Vulpeculæ ...	20	49	62	25	10	− 0·02	+ 0·1	6	+ 0·02	+ 0·1	8	− 0·03	+ 0·4
ζ Cygni	21	8	60	17	12	− 0·05	− 0·2	14	− 0·01	+ 0·1	8	+ 0·07	0·0
β Aquarii	21	25	93	7	18	+ 0·03	− 0·8	16	+ 0·04	− 0·2	15	− 0·02	+ 0·2
ε Pegasi	21	38	80	42	5	− 0·13	− 1·6	9	− 0·07	− 0·6	12	− 0·08	− 0·5
16 Pegasi	21	47	64	40	4	+ 0·02	+ 0·5	8	− 0·03	− 0·2	3	− 0·07	+ 0·6
α Aquarii	21	59	90	56	4	+ 0·10	− 0·4	6	− 0·01	− 0·2	6	+ 0·02	− 0·3
θ Aquarii	22	10	98	24	6	+ 0·05	− 1·2	11	+ 0·01	− 2·0	4	+ 0·05	− 1·8
η Aquarii	22	29	90	46	4	− 0·02	− 0·4	6	+ 0·04	− 1·5	2	+ 0·01	0·0
ζ Pegasi	22	35	79	49	8	− 0·01	− 1·6	11	− 0·02	− 1·3	...	......	......
α Piscis Australis ...	22	51	120	17	6	+ 0·02	− 0·8	5	+ 0·04	− 0·3	...	......	......
α Pegasi (*Markab*) ...	22	59	75	28	8	− 0·04	− 1·3	5	− 0·03	− 0·7	1	− 0·02	− 0·2
γ Piscium	23	11	87	24	6	− 0·01	− 1·9	8	− 0·01	− 3·2	1	+ 0·03	− 1·0
κ Piscium	23	21	89	26	6	0·00	− 0·5	8	0·00	− 0·9	1	− 0·05	+ 1·2
ι Piscium	23	34	85	3	10	− 0·02	− 2·6	9	− 0·03	− 1·1	2	− 0·02	+ 0·4
γ Cephei	23	34	13	4	5	+ 0·10	− 0·2	...	......	......	...	......	......
δ Sculptoris	23	42	118	49	9	+ 0·05	− 0·5	5	− 0·05	+ 0·2	1	− 0·02	+ 1·3
ω Piscium	23	53	83	50	4	+ 0·03	− 2·0	3	− 0·01	− 2·3	...	......	......

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Errata in this and the four previous volumes.

Page.	No.	Subject.	For	Read
		In Madras Meridian Circle Observations for 1862, 63, *and* 64.		
111	861	Annual Precession in P. D. ...	3·392	3·292
		In Madras Meridian Circle Observations for 1865, 66, *and* 67.		
231	863	Annual Precession in R. A. ...	3·5510	3·3510
		In Madras Meridian Circle Observations for 1868, 69, *and* 70.		
81	493	Annual Precession in R. A. ...	2·9818	2·9518
99	818	" " ...	2·1831	2·1855
		In Madras Meridian Circle Observations for 1871, 72, *and* 73.		
114	820	Name ...	R Sagittarii, Var. 1	R Sagittæ, Var. 1
163	731	Annual Precession in R. A. ...	2·7827	2·7287
168	820	Name ...	R Sagittarii, Var. 1	R Sagittæ, Var. 1
223	27	Sign of Proper Motion in R. A. ...	−	+
227	84	Secular Variation in R. A. ...	0·0027	0·0047
231	154	Annual Precession in P. D. ...	1·330	1·335
237	280	Sign of Proper Motion in R. A. ...	+	−
I		Introduction ...	Auwer's	Auwers'
"		" ...	Robert Norman	Norman Robert
		In Madras Meridian Circle Observations for 1874, 75 *and* 76.		
36 } 72 }	485	Name ...	R Sagittarii, Var. 1	R Sagittæ, Var. 1
49	532	Date ...	Obt.	Oct.
63	285	Annual Precession in R. A. ...	2·6204	2·6240
91	102	Date ...	May	Mar.
127	265	Sign of Proper Motion in R. A. ...	−	+
133	20	Date ...	July	*Delete* 'July'

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SEPARATE RESULTS

OF

OBSERVATIONS

OF THE FIXED STARS

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1874

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Separate Results of Madras Meridian Circle Observations in 1874.

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
1	21 *Andromedæ α, Alpherat.*								
Nov. 18	...	0	1	52·51	...	61	36	18·0	R
Dec. 1	...		1	52·60	...		36	18·6	R
2	*Anon.*								
Oct. 15	9·2	0	2	23·34	4	127	26	40·9	M
3	*Anon.*								
Oct. 14	9·7	0	5	28·90	5	126	14	44·7	M
4	88 *Pegasi γ, Algenib.*								
Oct. 27	...	0	6	44·94	...	75	31	1·3	M
Nov. 4	...		6	44·94	...		31	1·7	M
25	...		6	44·94	...		31	1·2	R
Dec. 3	...		6	44·94	...		30	58·9	R
5	*Anon.*								
Oct. 3	9·0	0	19	31·75	...	26	33	17·5	M
6	12 *Ceti.*								
Nov. 4	...	0	23	36·41	...	94	39	14·4	M
19	...		23	36·65	...		39	12·3	R
20	...		23	36·47	...		39	12·7	R
28	...		23	36·44	...		39	12·5	R
Dec. 3	...		23	36·49	...		39	10·6	R
4	...		23	36·40	...		39	11·9	R
5	...		23	36·43	...		39	13·3	M
7	*Anon.*								
Nov. 13	10·6	0	26	34·58	...	76	11	50·0	R
17	10·5		26	34·66	...		11	49·4	R
21	10·6		26	34·78	...		11	46·8	R
Dec. 1	10·6		26	34·53	...		11	48·6	R
8	*U Piscium, Var.* 4.								
Nov. 9	9·3	0	36	41·16	...	88	22	17·2	R
12	9·2		36	41·01	...		22	17·9	R
13	10·0		36	40·96	...		22	16·9	R
17	10·1		36	40·68	...		22	14·4	R
18	10·0		36	40·99	4		22	17·0	R
9	16 *Ceti β.*								
Nov. 21	...	0	37	15·79	...	108	40	42·4	R
Dec. 2	...		37	15·78	...		40	40·8	R
15	...		37	15·82	...		40	43·1	M
17	...		37	15·64	...		40	43·9	M
18	...		37	15·76	...		40	43·6	M
19	...		37	15·67	...		40	40·7	M
10	*R. P. L.* 10.								
Oct. 12	...	0	49	24·51	3	1	39	11·6	M
15	...		49	26·81	3		39	10·2	M
16	...		49	24·16	3		39	10·8	M
29	...		49	26·82	3		39	10·7	M
30	...		49	24·88	3		39	11·5	M
Nov. 3	...		49	24·13	3		39	11·1	R
4	...		49	24·37	3		39	10·6	M
	R. P. L. 10—*s.p.*								
Mar. 21	...	0	49	23·85	3	1	39	12·3	R
Apl. 21	...		49	26·32	3		39	12·6	M
23	...		49	26·52	3		39	13·7	R
24	...		49	25·17	3		39	11·6	R
27	...		49	24·53	3		39	12·5	R
May 19	...		49	24·13	3		39	10·8	R
21	...		49	24·87	3		39	12·7	R
22	...		49	25·05	3		39	12·3	R
11	2 *Ursæ Minoris—s.p.*								
May 30	...	0	51	54·75	3	4	25	14·9	R
June 4	...		51	53·29	4		25	16·7	M
5	...		51	53·63	3		25	14·6	M
12	*R. P. L.* 14.								
Oct. 31	...	0	55	20·17	3	3	31	38·0	M
Nov. 2	...		55	18·88	3		31	37·0	R
12	...		55	19·47	3		31	38·0	R
13	...		55	19·99	3		31	37·0	R
17	...		55	19·98	3		31	37·7	R
19	...		55	19·06	3		31	36·3	R
20	...		55	19·52	3		31	35·4	R
21	...		55	19·51	3		31	35·3	R
Dec. 2	...		55	19·40	3		31	34·1	R

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Separate Results of Madras Meridian Circle Observations in 1874.

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
				R. P. L.* 14—*s.p.					
June 9	...	0	55	19·27	2		31	38·2	M
13				**71 *Piscium* ε**					
Dec. 1	...	0	56	24·32	...	82	47	18·3	R
7	...		56	24·20	...		47	18·5	M
15	...		56	24·26	...		47	19·9	M
16	...		56	24·29	...		47	19·2	M
17	...		56	24·42	...		47	19·1	M
18	...		56	24·28	...		47	19·1	M
19	...		56	24·32	...		47	18·4	M
14				***Anon.***					
Nov. 2	9·5	1	2	3·08	...	17	33	4·4	R
3	9·6		2	3·09	...		33	3·4	R
4	9·6		2	3·28	4		33	2·5	M
15				***Anon.***					
Oct. 7	9·0	1	4	31·19	...	18	31	38·1	M
16				***S Cassiopeæ, Var.* 4.**					
Dec. 1	8·3	1	10	25·27	...	18	3	7·0	R
2	8·5		10	25·31	...		3	6·4	R
3	8·5		10	25·22	...		3	6·3	R
5	8·6		10	25·28	...		3	10·1	M
15	8·6		10	25·34	5		3	9·5	M
16	8·5		10	25·48	...		3	10·3	M
17	8·4		10	25·23	4		3	8·1	M
18	8·4		10	25·52	...		3	10·0	M
19	8·5		10	25·48	...		3	9·1	M
17				***S Piscium, Var* 2.**					
Nov. 10	8·5	1	10	59·34	...	81	44	0·8	R
11	9·1		10	59·35	...		44	1·5	R
17	9·1		10	59·51	...		43	58·0	R
18	...		10	59·57	...		43	59·2	C R
19	8·9		10	59·39	...		43	59·9	R
20	8·6		10	59·38	...		44	0·6	R
21	8·5		10	59·44	...		44	0·3	R
25	9·1		10	59·47	...		44	0·3	R
27	...		10	59·44	...		44	1·1	R
30	9·1		10	59·21	...		43	57·6	R
18				***R. P. L.* 18.**					
Dec. 4	...	1	11	25·18	3	2	5	42·9	R
				R. P L.* 18—*s.p.					
Mar. 31	...	1	11	24·98	3	2	5	41·5	R
Apl. 11	...		11	25·58	3		5	41·2	R
13	...		11	25·26	3		5	43·3	R
15	...		11	25·18	3		5	42·9	R
16	...		11	25·45	3		5	42·7	R
17	...		11	25·53	3		5	42·7	R
June 4	...		11	24·69	3		5	43·6	M
8	...		11	25·20	3		5	43·1	M
19				***Anon.***					
Oct. 16	9·4	1	12	18·18	...	152	19	23·0	M
30	9·2		12	18·03	...		19	22·5	M
31	9·3		12	18·22	...		19	22·6	M
20				***Anon.***					
Nov. 2	9·1	1	12	36·98	...	152	14	23·9	R
12	9·1		12	37·14	...		14	22·5	R
13	9·2		12	36·87	...		14	22·0	R
21				**1 *Ursæ Minoris* α, *Polaris*—*s.p.***					
Apl. 14	...	1	12	37·80	3	1	21	47·8	R
22				**45 *Ceti* θ¹**					
Dec. 13	...	1	17	43·53	...	98	50	0·8	M
23				**93 *Piscium* ρ**					
Jan. 8	6·0	1	19	27·76	...	71	29	2·4	M
Oct. 13	5·9		19	27·92	...		29	4·9	M
24				***Lalande* 2625.**					
Oct. 7	8·5	1	20	22·11	...	79	17	18·7	M
10	8·5		20	22·29	...		17	13·0	M

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Separate Results of Madras Meridian Circle Observations in 1874.

Number and Date.	Magnitude.	Mean Right Ascension 1874. h. m. s.	No. of Wires.	Mean Polar Distance 1874. ° ′ ″	Observer.
25		*Anon.*			
Nov. 12	10.1	1 24 30·51	...	90 3 21·9	B
21	10·2	24 30·61	...	3 22·1	B
26		99 *Piscium η*			
Dec. 13	...	1 24 44·53	...	75 18 17·7	M
27		106 *Piscium ν*			
Nov. 18	...	1 34 52·53	...	85 8 59·3	B
Dec. 13	...	34 52·68	...	9 2·4	M
16	...	34 52·55	...	9 2·2	M
28		6 *Arietis β*			
Nov. 18	...	1 47 40·91	...	69 48 29·3	B
Dec. 13	...	47 40·91	...	48 31·3	M
15	...	47 40·91	...	48 31·4	M
16	...	47 40·82	...	48 31·2	M
17	...	47 40·93	...	48 31·7	M
18	...	47 40·94	...	48 31·9	M
19	...	47 40·99	...	48 29·9	M
29		*Anon.*			
Jan. 7	9·9	2 6 24·47	...	151 21 11·0	M
8	9·9	6 24·60	...	21 6·9	M
30		*Anon.*			
Oct. 30	10·1	2 7 6·42	...	87 9 39·5	M
Nov. 4	10·1	7 6·35	4	9 42·2	M
31		67 *Ceti.*			
Dec. 8	...	2 10 42·03	...	97 0 12·8	M
32		*R Ceti, Var.* 2.			
Jan. 9	7·9	2 19 37·30	...	90 44 50·7	M
14	8·0	19 37·19	...	44 51·1	M
15	8·0	19 37·30	...	44 53·7	M
16	8·0	19 37·17	...	44 53·1	M
17	8·0	19 37·24	...	44 54·5	M
19	8·0	19 37·22	...	44 53·9	M
20	8·0	2 19 37·10	...	90 44 53·0	M
21	8·0	19 37·11	...	44 54·6	M
22	8·0	19 37·05	...	44 54·6	M
23	8·3	19 36·95	...	44 54·0	M
33		73 *Ceti ξ²*			
Jan. 1	...	2 21 27·63	...	82 6 20·1	M
8	...	21 27·66	...	6 18·9	M
Dec. 22	...	21 27·75	5	6 22·0	M
34		*R. P. L.* 26.			
Oct. 28	...	2 25 5·65	7	3 30 12·8	M
Dec. 15	...	25 5·98	3	30 13·0	M
16	...	25 5·49	3	30 14·0	M
17	...	25 6·22	3	30 13·3	M
18	...	25 6·34	3	30 13·4	M
19	...	25 5·52	3	30 12·4	M
35		86 *Ceti γ*			
Jan. 6	...	2 36 46·39	...	87 17 45·8	M
7	...	36 46·39	...	17 45·5	M
8	...	36 46·41	...	17 44·3	M
9	...	36 46·31	...	17 44·2	M
10	...	36 46·29	...	17 46·0	M
12	...	36 46·40	...	17 45·4	M
14	...	36 46·33	...	17 42·4	M
15	...	36 46·46	...	17 45·8	M
16	...	36 46·39	...	17 44·8	M
17	...	36 46·39	...	17 46·5	M
19	...	36 46·24	...	17 46·9	M
20	...	36 46·21	...	17 45·4	M
21	...	36 46·47	...	17 47·0	M
23	...	36 46·25	...	17 46·1	M
Dec. 8	...	36 46·33	...	17 47·6	M
25	...	36 46·40	...	17 47·4	M
28	...	36 46·30	...	17 44·9	B
36		92 *Ceti α, Menkar.*			
Jan. 14	...	2 55 41·50	...	86 24 18·7	M
15	...	55 41·55	...	24 20·2	M
16	...	55 41·52	...	24 19·4	M
17	...	55 41·56	...	24 20·2	M

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Separate Results of Madras Meridian Circle Observations in 1874.

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
Jan. 19	...	2	55	41·61	...	86	24	21·3	M
20	...		55	41·48	...		24	20·5	M
21	...		55	41·59	...		24	20·6	M
23	...		55	41·43	...		24	20·5	M
Dec. 22	...		55	41·72	...		24	22·8	M
25	...		55	41·64	...		24	21·8	M
28	...		55	41·64	...		24	21·4	R
37	57 *Arietis* δ								
Jan. 5	...	3	4	25·61	...	70	45	4·9	M
22	...		4	25·58	...		45	7·0	M
Dec. 22	...		4	25·55	...		45	6·9	M
28	...		4	25·63	...		45	7·0	R
38	33 *Persei* α								
Jan. 22	...	3	15	20·04	...	40	35	22·2	M
39	*Anon.*								
Jan. 9	9·5	3	15	46·87	...	125	39	11·9	M
40	*Anon.*								
Jan. 12	9·6	3	17	14·02	...	127	4	50·1	M
15	9·5		17	13·91	...		4	49·3	M
41	*Anon.*								
Jan. 16	8·8	3	17	42·12	...	130	43	28·4	M
42	1 *Tauri* ο, *Var.* 5.								
Jan. 3	5·5	3	18	2·05	...	81	24	56·5	M
5	5·7		18	1·84	...		24	57·9	M
6	5·8		18	2·06	...		24	57·8	M
7	5·7		18	1·87	...		24	57·3	M
8	5·7		18	1·95	3		24	56·0	M
43	*Anon.*								
Jan. 29	9·4	3	21	17·16	...	54	45	40·9	M
44	*R Persei, Var.* 3.								
Dec. 7	9·3	3	22	2·36	...	54	45	54·1	M
15	8·5		22	2·13	...		45	54·0	M
17	8·6		22	2·31	...		45	54·2	M
18	8·3		22	2·21	...		45	54·7	M
19	8·3		22	2·12	...		45	53·9	M
28	8·6		22	2·13	...		45	53·3	R
45	*R. P. L.* 34.								
Jan. 1	...	3	25	24·64	3	3	45	17·6	M
14	...		25	24·28	2		45	17·1	M
Dec. 5	...		25	25·39	2		45	17·2	M
25	...		25	22·89	2		45	16·6	M
46	*Anon.*								
Jan. 8	10·2	3	33	59·31	6	128	28	9·9	M
47	25 *Tauri* η, *Alcyone.*								
Jan. 3	...	3	39	59·67	...	66	17	10·4	M
5	...		39	59·83	...		17	10·5	M
6	...		39	59·79	...		17	10·9	M
10	...		39	59·85	...		17	9·5	M
12	...		39	59·72	...		17	10·5	M
23	...		39	59·76	...		17	10·4	M
24	...		39	59·64	...		17	12·9	M
26	...		39	59·95	...		17	13·7	M
28	...		39	59·86	3		17	11·3	R
29	...		39	59·85	...		17	10·2	R
Dec. 25	...		39	59·75	...		17	10·6	M
48	34 *Eridani* γ^1								
Jan. 3	...	3	52	9·11	...	103	52	4·0	M
5	...		52	8·98	...		52	5·3	M
6	...		52	8·99	...		52	5·9	M
9	...		52	9·06	...		52	6·6	M
10	...		52	9·03	...		52	6·5	M
12	...		52	9·05	...		52	5·1	M
13	...		52	9·25	...		52	7·3	R
14	...		52	9·17	...		52	4·2	M
15	...		52	8·98	...		52	5·3	M
16	...		52	9·07	...		52	5·1	M

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
Jan. 17	...	3	52	9·06	...	103	52	5·6	M
19	...		52	9·13	...		52	6·3	M
20	...		52	8·97	...		52	6·4	M
21	...		52	8·95	...		52	6·6	M
24	...		52	8·90	...		52	6·1	M
26	...		52	8·94	...		52	6·1	M
27	...		52	9·05	...		52	6·5	R
28	...		52	9·05	6		52	7·8	R
29	...		52	8·96	...		52	6·4	R
31	...		52	8·82	...		52	6·1	R
49 *R. P. L.* 35.									
Dec. 28	...	3	57	42·54	3	4	46	48·4	R
50 38 *Eridani* o^1									
Jan. 1	...	4	5	42·90	...	97	10	4·9	M
7	...		5	42·79	...		10	3·8	M
9	...		5	42·88	...		10	3·3	M
13	...		5	42·92	...		10	5·6	M
22	...		5	42·94	...		10	4·7	M
24	...		5	42·75	...		10	4·9	M
27	...		5	42·91	...		10	2·2	R
28	...		5	42·88	6		10	3·4	R
30	...		5	42·99	...		10	3·6	R
31	...		5	43·01	...		10	2·9	R
Feb. 3	...		5	43·03	...		10	3·5	R
51 74 *Tauri* ε									
Jan. 1	...	4	21	15·60	...	71	6	4·7	M
3	...		21	15·63	...		6	3·1	M
8	...		21	15·54	...		6	4·4	M
26	...		21	15·74	...		6	4·7	M
27	...		21	15·71	...		6	2·2	R
Feb. 2	...		21	15·75	...		6	3·6	R
3	...		21	15·62	...		6	4·9	R
4	...		21	15·62	...		6	5·2	R
5	...		21	15·65	...		6	4·1	R
6	...		21	15·58	...		6	3·0	R
52 *Anon.*									
Jan. 12	10·4	4	22	35·77	...	80	26	47·6	M
53 87 *Tauri* α, *Aldebaran.*									
Jan. 21	...	4	28	41·35	...	73	44	47·8	R
22	...		28	41·53	...		44	45·6	R
23	...		28	41·48	...		44	46·1	R
24	...		28	41·63	...		44	44·7	R
30	...		28	41·21	...		44	45·3	R
31	...		28	41·61	...		44	44·5	R
Feb. 5	...		28	41·58	...		44	48·4	R
6	...		28	41·45	...		44	46·8	R
7	...		28	41·55	...		44	46·8	R
Dec. 22	...		28	41·47	...		44	48·4	M
54 *Lacaille* 1551—*2nd.*									
Jan. 13	9·5	4	32	20·27	...	153	5	9·7	R
55 *Anon.*									
Jan. 1	9·5	4	34	31·90	...	130	50	22·9	M
3	9·9		34	32·05	...		50	18·6	M
5	9·5		34	31·95	...		50	22·0	M
56 *Anon.*									
Jan. 15	9·9	4	34	43·67	...	153	25	37·2	M
57 *Anon.*									
Jan. 16	9·8	4	39	19·30	...	153	14	48·7	M
17	9·7		39	19·29	...		14	45·8	M
58 3. *Aurigæ* ι									
Jan. 7	...	4	48	47·43	...	57	2	9·6	M
20	...		48	47·48	...		2	7·3	R
21	...		48	47·55	...		2	8·0	R
22	...		48	47·36	...		2	6·9	R
23	...		48	47·58	...		2	8·9	R
24	...		48	47·60	...		2	7·5	R
27	...		48	47·20	...		2	9·1	R
28	...		48	47·29	...		2	9·2	R
30	...		48	47·38	...		2	7·2	R
31	...		48	47·34	...		2	8·3	R
Feb. 2	...		48	47·36	...		2	8·1	R
7	...		48	47·30	...		2	7·6	R

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Feb. 9	...	4	48	47·26	...	57	2	9·1	R
10	...		48	47·38	...		2	8·8	R
11	...		48	47·33	...		2	9·6	R
14	...		48	47·52	...		2	10·9	R
Dec. 22	...		48	47·30	...		2	10·0	R
59			*2 Leporis ε*						
Jan. 18	...	5	0	7·40	...	112	32	31·4	R
20	...		0	7·71	...		32	31·4	R
23	...		0	7·60	...		32	28·5	R
24	...		0	7·59	...		32	28·6	R
29	...		0	7·52	...		32	32·0	R
30	...		0	7·78	...		32	28·9	R
Feb. 3	...		0	7·66	...		32	32·1	R
4	...		0	7·49	...		32	30·7	R
6	...		0	7·72	...		32	31·5	R
9	...		0	7·60	...		32	28·6	R
11	...		0	7·68	...		32	29·4	R
12	...		0	7·58	...		32	29·5	R
13	...		0	7·62	...		32	29·7	R
14	...		0	7·50	...		32	30·1	R
16	...		0	7·59	...		32	29·7	R
18	...		0	7·69	...		32	30·4	R
60			*13 Aurigæ α, Capella.*						
Jan. 22	...	5	7	22·85	...	44	7	59·0	R
61			*19 Orionis β, Rigel.*						
Jan. 21	...	5	8	28·92	...	98	20	55·8	R
Feb. 2	...		8	28·88	...		20	55·2	R
6	...		8	28·94	...		20	55·6	R
10	...		8	29·06	...		20	58·9	R
13	...		8	28·89	...		20	56·0	R
16	...		8	28·89	...		20	55·6	R
18	...		8	28·99	...		20	55·5	R
19	...		8	29·02	...		20	54·2	R
20	...		8	28·96	...		20	56·6	R
62			*112 Tauri β.*						
Jan. 20	...	5	18	19·84	...	61	30	5·2	R
21	...		18	19·72	...		30	6·4	R
Jan. 22	...	5	18	19·89	...	61	30	4·9	R
23	...		18	19·73	...		30	2·4	R
24	...		18	19·81	...		30	4·6	R
29	...		18	19·81	...		30	5·0	R
Feb. 2	...		18	19·67	...		30	3·5	R
3	...		18	19·56	...		30	3·5	R
4	...		18	19·55	...		30	5·4	R
5	...		18	19·54	...		30	5·1	R
7	...		18	19·66	...		30	6·0	R
10	...		18	19·59	...		30	5·8	R
11	...		18	19·69	...		30	6·0	R
12	...		18	19·74	...		30	6·3	R
14	...		18	19·77	...		30	5·9	R
19	...		18	19·82	...		30	5·6	R
20	...		18	19·71	...		30	5·1	R
21	...		18	19·66	...		30	5·4	R
63			*Anon.*						
Jan. 12	9·8	5	20	4·17	...	129	48	34·7	M
13	10·8		20	4·11	4		48	34·3	R
14	10·1		20	4·29	6		48	35·3	M
64			*R. P. L. 40—s.p.*						
July 15	...	5	21	59·14	8	4	52	50·8	R
65			*34 Orionis δ, Var. 1.*						
Feb. 23	...	5	25	24·15	...	90	28	37·1	R
24	...		25	24·16	...		28	28·0	R
66			*11 Leporis α*						
Feb. 14	...	5	27	10·29	...	107	54	51·8	R
19	...		27	10·34	...		54	50·8	R
20	...		27	10·40	...		54	50·5	R
21	...		27	10·34	...		54	49·7	R
67			*46 Orionis ε*						
Feb. 4	...	5	29	49·40	...	91	17	2·0	R
5	...		29	49·23	...		17	2·7	R
7	...		29	49·24	...		17	2·4	R
9	...		29	49·35	...		17	1·5	R
10	...		29	49·16	...		17	2·2	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
Feb. 11	...	5	29	49·17	...	91	17	2·8	R
12	...		29	49·24	...		17	4·2	R
13	...		29	49·14	...		17	2·1	R
18	...		29	49·13	...		17	2·4	R
68				*R. P. L.* 42.					
Jan. 5	...	5	31	55·53	3	2	41	11·7	M
15	...		31	56·02	3		41	12·8	M
16	...		31	56·55	3		41	12·5	M
17	...		31	55·96	3		41	13·9	M
19	...		31	55·92	3		41	11·6	M
20	...		31	55·20	3		41	11·9	M
21	...		31	54·87	3		41	12·1	M
23	...		31	55·26	2		41	13·8	M
24	...		31	55·35	3		41	14·4	M
26	...		31	56·13	3		41	13·4	M
69				*a Columbæ.*					
Dec. 26	...	5	35	5·14	...	124	8	31·6	R
70				58 *Orionis a*					
Feb. 9	...	5	48	20·96	...	82	37	6·1	R
12	...		48	20·98	...		37	6·2	R
13	...		48	21·08	...		37	4·8	R
16	...		48	21·09	...		37	4·4	R
18	...		48	20·94	...		37	6·4	R
19	...		48	20·90	...		37	4·6	R
20	...		48	21·01	...		37	6·3	R
21	...		48	20·91	...		37	5·5	R
23	...		48	20·97	...		37	3·9	R
24	...		48	20·97	...		37	6·6	R
25	...		48	20·90	...		37	6·2	R
26	...		48	21·00	...		37	5·3	R
Dec. 26	...		48	21·07	...		37	7·5	R
71				*Anon.*					
Jan. 13	10·2	5	50	30·26	5	137	10	12·5	R
19	10·4		50	30·27	...		10	12·7	M
72				*Anon.*					
Jan. 8	9·7	5	52	4·50	...	140	36	32·5	M
9	9·6		52	4·51	...		36	31·0	M
14	9·5		52	4·33	...		36	30·7	M
73				*Anon.*					
Jan. 23	9·7	5	52	29·04	...	141	46	0·1	M
74				*Anon.*					
Jan. 24	9·6	5	54	50·49	...	137	45	13·2	M
75				*Anon.*					
Jan. 5	9·5	5	55	9·19	...	121	31	0·1	M
76				*R. P. L.* 43.					
Jan. 27	...	5	56	26·91	3	3	14	16·7	M
29	...		56	27·03	7		14	15·0	R
30	...		56	27·13	7		14	17·2	R
31	...		56	28·85	7		14	16·0	R
Feb. 2	...		56	27·89	3		14	15·6	R
				R. P. L. 43—*s.p.*					
July 2	...	5	56	27·10	3	3	14	16·8	R
20	...		56	27·54	3		14	16·8	R
Aug. 23	...		56	27·96	3		14	17·6	M
29	...		56	28·23	3		14	18·2	M
77				*Anon.*					
Feb. 5	9·0	6	0	13·74	...	121	34	34·4	R
7	9·3		0	13·58	...		34	34·8	R
9	9·4		0	13·49	...		34	33·0	R
78				67 *Orionis ν*					
Feb. 21	...	6	0	22·88	...	75	13	6·5	R
23	...		0	22·77	...		13	6·7	R
24	...		0	22·76	...		13	6·5	R
25	...		0	22·77	...		13	7·9	R
27	...		0	22·60	...		13	6·2	R
28	...		0	22·65	...		13	7·6	R
79				*Lalande* 12072—1*st.*					
Dec. 15	7·6	6	13	59·96	...	68	51	28·1	M
18	7·6		13	59·65	...		51	27·9	M
19	7·6		13	59·71	...		51	26·5	M

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80		13 *Geminorum μ*			
Feb. 23	...	6 15 20·27	...	67 25 27·0	R
24	...	15 20·27	...	25 26·3	R
25	...	15 20·30	...	25 24·7	R
26	...	15 20·27	...	25 26·5	R
28	...	15 20·25	...	25 27·7	R
Dec. 26	...	15 20·17	...	25 27·1	R
81		24 *Geminorum γ*			
Feb. 27	...	6 30 26·07	...	73 29 43·6	R
82		*Bonn* + 8°. 1429.			
Feb. 3	9·0	6 32 22·71	...	81 7 26·6	R
5	9·0	32 22·88	...	7 28·9	R
6	9·0	32 22·79	...	7 29·6	R
Mar. 6	9·7	32 22·63	...	7 28·8	M
7	9·5	32 22·98	...	7 27·7	R
83		9 *Canis Majoris α, Sirius.*			
Feb. 27	...	6 39 35·58	...	106 32 44·5	R
84		51 *Cephei (Hev.)—s.p.*			
July 30	...	6 40 45·24	3	2 45 52·6	R
Aug. 3	...	40 44·69	2	45 53·7	M
85		*Anon.*			
Feb. 24	8·6	6 42 56·76	...	130 36 59·5	R
Mar. 3	8·4	42 56·77	...	36 58·0	M
4	8·5	42 56·53	...	36 59·3	M
5	8·4	42 56·58	...	36 59·3	M
9	8·5	42 56·49	...	37 0·5	M
86		21 *Canis Majoris ε*			
Mar. 13	...	6 53 40·47	...	118 48 5·8	R
87		23 *Canis Majoris γ*			
Feb. 27	...	6 58 3·54	...	105 26 55·9	R
28	...	58 3·53	...	26 54·8	R
Mar. 5	...	58 3·51	...	26 55·1	M
12	...	58 3·39	...	26 54·3	R
14	...	58 3·53	...	26 54·0	R
16	...	58 3·47	...	26 55·7	R
88		*R Canis Minoris, Var.* 1.			
Jan. 16	8·2	7 1 46·71	...	79 46 45·2	M
89		*Bonn* + 38°. 1778.			
Feb. 14	9·6	7 24 5·96	...	51 58 41·3	R
18	9·6	24 5·93	...	58 37·4	R
19	9·7	24 5·88	...	58 37·6	R
20	9·6	24 5·74	...	58 37·9	R
90		*Anon.*			
Feb. 21	10·5	7 24 12·22	...	41 55 52·6	R
24	10·5	24 12·02	...	55 54·6	R
25	10·5	24 12·30	...	55 53·1	R
26	10·6	24 12·19	...	55 55·2	R
91		*Bonn* + 48°. 1546.			
Jan. 27	9·7	7 24 17·44	4	42 2 0·0	R
29	9·7	24 17·57	4	1 59·7	R
31	9·7	24 17·32	6	1 59·0	R
Feb. 2	9·6	24 17·69	...	1 57·5	R
92		66 *Geminorum α*[1]*, Castor.*			
Mar. 6	...	7 26 33·38	...	57 50 16·8	M
9	...	26 33·15	...	50 19·2	M
10	...	26 33·10	...	50 18·8	M
11	...	26 33·16	...	50 18·1	M
12	...	26 33·28	...	50 20·0	R
13	...	26 33·17	...	50 18·5	R
14	...	26 33·36	...	50 19·2	R
16	...	26 33·29	...	50 19·2	R
17	...	26 33·19	...	50 19·1	R
19	...	26 33·10	...	50 18·1	R

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93		*66 Geminorum α², Castor.*							
Mar. 2	...	7	26	33·61	...	57	50	16·2	M
3	...		26	33·56	...		50	14·0	M
4	...		26	33·42	...		50	14·3	M
5	...		26	33·53	...		50	15·7	M
94		*R. P. L.* 45.							
Jan. 12	...	7	27	46·10	2	1	0	15·1	M
Feb. 3	...		27	47·61	3		0	16·1	R
5	...		27	47·95	3		0	14·8	R
6	...		27	47·28	3		0	15·1	R
		R. P. L. 45—*s.p.*							
Sep. 12	...	7	27	47·71	2	1	0	15·0	R
15	...		27	47·69	3		0	15·4	R
Oct. 6	...		27	47·93	2		0	12·7	M
95		*10 Canis Minoris α, Procyon.*							
Feb. 26	...	7	32	42·22	...	84	27	12·2	R
28	...		32	42·37	...		27	13·6	R
Mar. 2	...		32	42·14	...		27	12·8	M
3	...		32	42·26	...		27	11·7	M
5	...		32	42·29	...		27	12·8	M
6	...		32	42·20	...		27	11·1	M
7	...		32	42·31	...		27	12·1	R
11	...		32	42·22	...		27	11·8	M
12	...		32	42·38	...		27	13·8	R
13	...		32	42·35	...		27	11·7	R
14	...		32	42·37	...		27	11·5	R
17	...		32	42·35	...		27	13·8	R
25	...		32	42·19	...		27	11·4	R
96		*Anon.*							
Feb. 10	9·8	7	34	39·51	...	68	10	14·9	R
11	9·8		34	39·57	...		10	11·9	R
97		*Anon.*							
Feb. 21	10·5	7	35	6·81	...	68	26	16·2	R
23	10·5		35	6·86	...		26	13·0	R
98		*Anon.*							
Feb. 12	9·9	7	35	17·42	...	68	11	8·7	R
13	9·9		35	17·32	...		11	10·5	R
99		*Anon.*							
Feb. 18	9·9	7	35	46·48	...	66	17	16·9	R
25	10·0		35	46·20	...		17	14·8	R
100		*78 Geminorum β, Pollux.*							
Mar. 2	...	7	37	36·32	...	61	40	19·6	M
3	...		37	36·31	...		40	18·4	M
4	...		37	36·25	...		40	17·4	M
6	...		37	36·26	...		40	17·5	M
11	...		37	36·33	...		40	20·2	M
101		*Anon.*							
Jan. 26	8·6	7	37	53·67	...	130	59	26·8	R
102		*Anon.*							
Mar. 19	10·6	7	37	56·73	...	68	31	1·0	R
20	10·5		37	57·04	...		30	57·1	R
21	10·7		37	57·05	...		30	56·1	R
103		*Anon.*							
Mar. 12	10·4	7	38	22·91	...	68	29	56·9	R
13	10·5		38	22·84	...		29	54·1	R
14	10·5		38	22·82	...		29	52·9	R
16	10·3		38	22·77	...		29	52·6	R
17	10·5		38	22·89	...		29	53·9	R
104		*Anon.*							
Jan. 28	9·0	7	41	53·40	4	148	9	45·9	R
105		*Anon.*							
Jan. 29	9·1	7	42	17·17	...	152	59	22·6	R
Feb. 13	9·0		42	17·23	...		59	20·3	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
106				*R. P. L.* 49.					
Feb. 7	...	7	46	28·15	3	5	35	10·1	R
9	...		46	30·30	3		35	10·3	R
				R. P. L. 49—*s.p.*					
Sep. 10	...	7	46	28·65	3	5	35	10·9	R
16	...		46	27·90	3		35	9·1	R
17	...		46	27·29	3		35	11·3	R
26	...		46	27·57	3		35	12·5	R
Oct. 5	...		46	28·87	2		35	10·3	M
7	...		46	29·29	2		35	11·3	M
12	...		46	29·14	3		35	10·4	M
15	...		46	28·24	3		35	9·3	M
17	...		46	29·85	2		35	10·3	M
107				*Brisbane* 1791.					
Mar. 3	8·4	7	46	32·69	...	144	26	9·4	M
108				*Anon.*					
Mar. 4	8·9	7	50	4·62	...	130	23	33·0	M
13	9·0		50	4·88	...		23	33·3	R
14	9·0		50	4·76	...		23	33·6	R
16	9·0		50	4·77	...		23	35·6	R
17	9·0		50	4·61	...		23	34·6	R
109				*Anon.*					
Mar. 7	8·9	7	50	47·40	...	129	24	14·6	R
10	8·5		50	47·46	...		24	13·3	M
11	8·5		50	47·14	...		24	13·7	M
12	8·6		50	47·33	...		24	13·7	R
110				*Anon.*					
Mar. 19	9·4	7	51	47·85	...	151	38	29·2	R
24	9·6		51	47·89	...		38	29·4	R
27	9·5		51	47·96	...		38	28·5	R
30	9·6		51	48·09	...		38	28·6	R
111				*Lacaille* 3082.					
Mar. 20	7·6	7	52	3·51	...	130	24	6·6	R
23	7·6		52	3·65	...		24	4·5	R
25	7·9		52	3·75	...		24	4·7	R
28	7·5		52	3·50	...		24	3·2	R
112				*Anon.*					
Mar. 21	10·0	7	52	17·84	4	151	42	5·0	R
113				*Anon.*					
Jan. 29	8·5	7	53	8·15	6	144	43	16·9	R
Feb. 3	8·3		53	8·54	...		43	16·8	R
114				6 *Cancri.*					
Feb. 26	...	7	55	46·77	...	61	51	16·3	R
Mar. 17	...		55	46·51	...		51	16·7	R
115				*Anon.*					
Feb. 25	10·0	8	0	42·78	4	78	29	30·5	R
116				*Anon.*					
Feb. 5	9·3	8	1	40·50	...	69	5	41·0	R
6	9·3		1	40·49	...		5	41·2	R
10	9·0		1	40·83	...		5	45·1	R
117				*Anon.*					
Feb. 11	10·0	8	1	59·55	...	69	14	46·3	R
118				15 *Argus.*					
Mar. 9	...	8	2	10·63	...	113	56	33·4	M
10	...		2	10·59	...		56	32·1	M
13	...		2	10·67	...		56	32·6	R
14	...		2	10·64	...		56	32·8	R
16	...		2	10·72	...		56	33·0	R
20	...		2	10·54	...		56	32·1	R
23	...		2	10·54	...		56	32·7	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
119		*Anon.*							
Jan. 30	9·3	8	11	2·28	5	77	39	35·2	R
120		*Anon.*							
Feb. 16	9·4	8	13	18·74	...	130	47	24·1	R
18	9·5		13	18·45	...		47	25·2	R
121		*Anon.*							
Feb. 25	9·3	8	13	41·75	...	131	43	0·1	R
122		*Anon.*							
Mar. 21	9·3	8	13	48·14	...	131	44	48·9	R
23	9·6		13	48·09	...		44	52·4	R
24	9·5		13	48·08	...		44	52·1	R
25	9·8		13	48·16	...		44	51·9	R
123		33 *Cancri* η							
Mar. 9	...	8	25	25·23	...	69	7	57·9	M
10	...		25	25·35	...		7	56·7	M
11	...		25	25·20	...		7	55·4	M
24	...		25	25·11	...		7	55·9	R
28	...		25	25·26	...		7	57·6	R
30	...		25	25·26	...		7	57·4	R
31	...		25	25·20	...		7	56·7	R
124		*Anon.*							
Feb. 7	9·3	8	26	11·45	...	61	49	42·5	R
13	9·9		26	11·60	...		49	44·1	R
14	10·0		26	11·68	...		49	40·6	R
125		*Anon.*							
Feb. 19	9·0	8	29	22·18	...	70	42	41·6	R
126		*Taylor* 3710.							
Feb. 25	8·0	8	31	41·68	...	141	23	7·6	R

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
127		11 *Hydræ* ε							
Mar. 4	...	8	40	6·19	...	83	7	13·4	M
6	...		40	6·25	...		7	12·2	M
7	...		40	6·28	...		7	12·8	R
9	...		40	6·16	...		7	13·2	M
10	...		40	6·06	...		7	13·1	M
12	...		40	6·22	...		7	13·1	R
17	...		40	6·23	...		7	10·9	R
24	...		40	6·11	...		7	11·5	R
25	...		40	6·23	...		7	12·4	R
28	...		40	6·06	...		7	12·2	R
Apl. 1	...		40	6·11	...		7	11·1	M
4	...		40	5·91	...		7	11·7	R
8	...		40	6·16	...		7	14·2	R
128		*R. P. L.* 60.							
Feb. 20	...	8	48	41·55	3	5	19	7·7	R
28	...		48	41·08	3		19	8·2	R
		R. P. L. 60—*s.p.*							
Sep. 2	...	8	48	40·25	3	5	19	6·9	R
4	...		48	40·37	7		19	9·3	R
5	...		48	40·15	3		19	8·7	R
129		*Anon.*							
Mar. 5	8·7	8	54	19·21	...	132	57	54·4	M
130		82 *Cancri* π²							
Feb. 27	7·2	9	8	16·60	...	74	32	16·6	R
131		*Anon.*							
Feb. 12	9·5	9	11	28·19	...	70	43	16·3	R
13	9·6		11	28·27	...		43	14·0	R
132		83 *Cancri.*							
Mar. 7	...	9	11	56·72	...	71	45	43·2	R
20	...		11	56·92	...		45	41·4	R
21	...		11	56·72	...		45	42·0	R
Apl. 1	...		11	56·78	...		45	42·3	M
6	...		11	56·86	...		45	43·5	R
11	...		11	56·78	...		45	43·0	R

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133		*Anon.*							
Feb. 16	9·8	9	13	29·76	...	70	34	39·7	R
134		*Anon.*							
Feb. 20	9·4	9	16	38·64	...	139	3	31·3	R
21	9·4		16	38·39	...		3	33·9	R
23	9·4		16	38·46	...		3	32·8	R
135		*Anon.*							
Feb. 11	7·8	9	20	2·21	...	75	9	3·8	R
136		*Anon.*							
Feb. 19	8·7	9	20	8·68	...	125	23	44·2	R
137		*Anon.*							
Feb. 25	8·3	9	20	46·13	...	137	30	29·9	R
26	8·5		20	46·01	...		30	30·6	R
138		*Anon.*							
Feb. 27	8·4	9	20	51·93	...	125	25	31·8	R
139		*Anon.*							
Feb. 28	9·0	9	21	0·19	...	158	40	48·1	R
140		30 *Hydræ* α, *Var*. 2.							
Mar. 16	...	9	21	23·70	...	98	6	49·1	R
19	...		21	23·69	...		6	47·3	R
20	...		21	23·70	...		6	47·3	R
27	...		21	23·66	...		6	47·0	R
30	...		21	23·61	...		6	48·5	R
31	...		21	23·64	...		6	49·4	R
Apl. 1	...		21	23·70	...		6	48·4	M
6	...		21	23·59	...		6	50·0	R
13	...		21	23·69	...		6	47·5	R
16	...		21	23·69	...		6	48·5	R
20	...		21	23·65	...		6	46·0	M
141		25 *Ursæ Majoris* θ							
Mar. 3	...	9	24	25·17	...	37	44	54·9	M
4	...		24	25·22	...		44	58·0	M
142		*Anon.*							
Feb. 21	9·4	9	24	29·78	...	158	43	22·3	R
143		*R. P. L.* 69.							
Feb. 10	...	9	36	5·68	3	2	49	29·1	R
25	...		36	5·19	3		49	31·3	R
		R. P. L. 69—*s.p.*							
Sep. 14	...	9	36	5·22	2	2	49	30·0	R
21	...		36	4·47	3		49	30·2	R
Oct. 16	...		36	4·32	3		49	31·5	M
17	...		36	4·89	2		49	31·9	M
31	...		36	6·42	3		49	31·1	M
Nov. 4	...		36	4·11	3		49	31·3	M
144		17 *Leonis* ε							
Mar. 19	...	9	38	41·83	...	65	38	48·1	R
21	...		38	41·84	...		38	48·6	R
23	...		38	41·85	...		38	50·3	R
25	...		38	41·86	...		38	49·0	R
27	...		38	41·73	...		38	49·6	R
Apl. 4	...		38	41·56	...		38	50·8	R
9	...		38	41·79	...		38	50·0	R
11	...		38	41·74	...		38	49·4	R
15	...		38	41·80	...		38	48·9	R
23	...		38	41·69	...		38	47·9	R
145		*Anon.*							
Feb. 20	9·5	9	44	28·23	...	148	32	41·0	R
146		*R. P. L.* 70—*s.p.*							
Aug. 24	...	9	48	4·98	3	5	28	39·2	M
Oct. 16	...		48	5·67	3		28	39·3	M
31	...		48	7·93	3		28	38·5	M
Nov. 4	...		48	6·56	3		28	39·2	M

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147			*Anon.*						
Mar. 13	9·8	9	48	50·71	...	152	10	28·6	R
148			*W. B. N.* IX. 1020.						
Feb. 23	9·0	9	49	0·54	...	71	51	41·7	R
149			*W. B. N.* IX. 1047.						
Feb. 11	8·8	9	50	5·62	...	72	20	46·0	R
12	8·9		50	5·65	...		20	45·9	R
150			*Anon.*						
Feb. 24	9·6	9	51	8·53	...	74	33	32·6	R
25	9·7		51	8·76	..		33	31·2	R
Mar. 7	9·7		51	8·55	...		33	29·0	R
12	9·6		51	8·71	...		33	31·8	R
14	9·7		51	8·59	...		33	33·6	R
16	...		51	8·69	...		33	33·8	R
17	9·7		51	8·63	...		33	33·0	R
151			*Anon.*						
Feb. 19	9·6	9	52	48·97	...	72	4	26·6	R
152			29 *Leonis* π						
Mar. 24	...	9	53	33·31	...	81	21	6·8	R
31	...		53	33·25	...		21	8·7	R
Apl. 8	...		53	33·25	...		21	9·3	R
9	...		53	33·25	...		21	8·3	R
14	...		53	33·19	...		21	6·0	R
16	...		53	33·24	...		21	7·3	R
21	...		53	33·16	...		21	8·3	M
153			*W. B. N.* IX. 1160.						
Feb. 21	8·9	9	55	39·48	...	73	20	34·1	R
23	9·0		55	39·69	...		20	31·6	R
25	9·0		55	39·69	....		20	32·9	R
26	9·0		55	39·61	...		20	32·5	R
154			*Anon.*						
Mar. 19	10·1	9	55	41·31	...	72	20	50·9	R
20	10·1		55	41·11	...		20	51·1	R
21	10·1		55	41·12	...		20	51·4	R
23	10·0		55	41·25	...		20	52·8	R
27	10·0		55	41·19	...		20	50·2	R
155			*Anon.*						
Feb. 28	9·9	9	56	23·40	...	130	0	17·2	R
156			*W. B. N.* IX. 1189.						
Mar. 3	9·7	9	57	0·31	...	73	10	31·2	M
4	9·7		57	0·40	...		10	31·8	M
6	9·6		57	0·31	...		10	31·3	M
10	9·6		57	0·27	...		10	31·9	M
157			*Anon.*						
Mar. 30	9·0	9	58	8·66	...	145	35	55·7	R
158			*W. B. N.* IX. 1230.						
Mar. 11	9·6	9	58	25·55	...	72	55	23·3	M
24	9·5		58	25·74	...		55	24·0	R
25	9·8		58	25.77	...		55	25·6	R
27	9·4		58	25·72	...		55	24·3	R
159			*Anon.*						
Mar. 2	9·0	9	58	30·69	...	143	56	59·5	M
17	8·8		58	30·41	...		56	59·6	R
160			14 *Sextantis.*						
Feb. 26	6·5	10	0	12·10	...	83	46	29·2	R
27	7·0		0	12·12	...		46	29·5	R
28	7·5		0	12·22	...		46	26·6	R
161			*W. B. N.* IX. 1282.						
Feb. 19	9·0	10	0	51·41	...	73	6	31·4	R

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162		*32 Leonis α, Regulus.*							
Apl. 4	...	10	1	39·44	...	77	25	4·2	B
8	...		1	39·56	...		25	4·5	B
11	...		1	39·62	...		25	5·2	B
15	...		1	39·49	...		25	3·8	B
20	...		1	39·66	...		25	2·6	M
21	...		1	39·62	...		25	5·3	M
22	...		1	39·66	...		25	6·0	B
24	...		1	39·65	...		25	2·0	B
163		*33 Leonis*							
Feb. 27	8·5	10	3	53·69	...	73	40	30·1	B
164		*R. P. L. 72.*							
Feb. 21	...	10	11	0·00	3	5	6	37·4	B
23	...		10	58·92	3		6	34·5	B
24	...		10	59·05	3		6	34·0	B
165		*41 Leonis γ¹*							
Mar. 19	...	10	13	1·36	...	69	31	18·9	B
23	...		13	1·47	...		31	19·9	B
Apl. 6	...		13	1·41	...		31	19·8	B
14	...		13	1·41	...		31	19·5	B
20	...		13	1·36	...		31	18·7	M
21	...		13	1·14	...		31	17·3	M
24	...		13	1·29	...		31	17·3	B
166		*47 Leonis ρ*							
Apl. 9	...	10	26	10·53	...	80	2	41·9	B
17	...		26	10·48	...		2	42·5	B
22	...		26	10·54	...		2	45·4	B
25	...		26	10·46	...		2	42·9	B
29	...		26	10·56	...		2	41·0	B
167		*53 Leonis l.*							
Mar. 27	....	10	42	38·03	...	78	47	18·0	B
Apl. 13	...		42	38·00	...		47	17·8	B
14	...		42	37·97	...		47	17·9	B
15	...		42	37·94	...		47	19·3	B
Apl. 17	...	10	42	38·00	...	78	47	17·4	B
23	...		42	38·02	...		47	15·7	B
25	...		42	38·01	...		47	17·3	B
29	...		42	37·99	...		47	18·0	B
168		*Anon.*							
Mar. 4	9·9	10	42	54·40	6	75	7	59·5	M
169		*Anon.*							
Mar. 3	8·6	10	43	1·98	...	141	7	37·5	M
170		*Anon.*							
Apl. 27	9·9	10	47	59·10	...	148	51	48·6	B
29	10·3		47	58·89	...		51	47·0	B
171		*R Crateris, Var.* 1.							
Mar. 16	9·0	10	54	21·74	...	107	38	57·3	B
19	9·0		54	21·63	...		38	56·3	B
172		*Anon.*							
Mar. 14	9·1	10	54	31·66	...	107	41	27·6	B
173		*R. P. L.* 79.							
Mar. 6	...	10	58	3·67	3	1	40	34·4	M
9	...		58	4·97	3		40	34·7	M
10	...		58	5·39	3		40	34·7	M
11	...		58	4·98	3		40	35·4	M
		R. P. L. 79—*s.p.*							
Oct. 29	...	10	58	4·87	2	1	40	38·3	M
Nov. 3	...		58	2·91	2		40	38·7	B
174		*63 Leonis χ*							
Mar. 21	...	10	58	30·97	...	81	58	58·3	B
30	...		58	30·97	...		58	59·4	B
Apl. 13	...		58	30·98	...		58	59·0	B
17	...		58	30·94	...		58	59·0	B
27	...		58	31·21	...		59	0·2	B

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175			*Taylor* 5092.						
Mar. 4	8·8	11	5	45·09	...	143	52	23·5	M
5	8·6		5	45·39	...		52	23·6	M
176			*Anon.*						
Mar. 16	9·9	11	6	12·26	...	83	53	41·3	R
177			68 *Leonis* δ						
Apl. 16	...	11	7	24·26	...	68	47	11·8	R
22	...		7	24·28	...		47	11·1	R
27	...		7	24·25	...		47	10·8	R
178			73 *Leonis n.*						
Mar. 6	6·0	11	9	16·21	..	74	0	19·0	R
7	5·7		9	16·47	...		0	18·9	R
9	6·0		9	16·22	...		0	20·3	M
10	5·9		9	16·19	4		0	20·1	M
179			*Anon.*						
Mar. 12	9·9	11	9	55·24	...	145	58	31·1	R
180			*Anon.*						
Mar. 14	9·3	11	10	59·45	...	141	11	51·7	R
16	10·0		10	59·51	...		11	51·2	R
181			12 *Crateris* δ						
Apl. 16	...	11	13	2·58	...	104	5	49·3	R
27	...		13	2·49	...		5	49·3	R
182			*Anon.*						
Mar. 7	...	11	23	39·72	...	142	55	53·4	R
183			*Cordoba* 15790.						
Mar. 10	8·7	11	27	3·95	...	151	7	24·6	M
12	8·7		27	4·15	...		7	21·4	R
184			*Anon.*						
Mar. 13	9·9	11	27	10·86	...	151	44	49·4	R
14	9·8		27	10·74	...		44	52·5	R
185			*Anon.*						
Mar. 16	10·0	11	27	14·88	...	23	20	52·6	R
186			*Anon.*						
Mar. 17	9·0	11	27	31·94	...	23	0	50·3	R
19	9·2		27	31·77	...		0	48·2	R
20	...		27	32·02	...		0	49·9	R
187			94 *Leonis* β, *Deneb.*						
May 19	...	11	42	37·86	...	74	43	24·9	R
188			*Bonn* + 5°. 2550.						
Mar. 12	9·6	11	44	38·12	...	84	48	10·8	R
13	9·9		44	38·08	...		48	8·1	R
189			*Groombridge* 1830.						
Mar. 21	...	11	45	42·75	...	51	22	39·8	R
23	7·5		45	43·00	...		22	40·2	R
25	7·7		45	42·96	...		22	40·4	R
27	7·9		45	43·05	...		22	40·2	R
30	8·0		45	42·92	...		22	39·0	R
190			64 *Ursæ Majoris* γ						
Apl. 4	...	11	47	11·82	...	35	36	15·1	R
191			*Bonn* + 4°. 2550.						
Mar. 30	10·3	11	51	4·14	...	85	22	40·5	R
Apl. 4	10·0		51	3·80	...		22	40·1	R
6	10·1		51	4·02	...		22	40·7	R
192			*R. P. L.* 87.						
Mar. 14	...	11	52	57·30	3	2	18	14·8	R
16	...		52	55·62	3		18	16·6	R
17	...		52	55·97	3		18	13·0	R
19	...		52	56·12	3		18	13·8	R
20	...		52	56·11	5		18	15·3	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
R. P. L. 87—s.p.									
Nov. 20	...	11	52	59·80	2	2	18	14·0	R
21	...		52	59·79	3		18	14·9	R
193 *Bonn + 3°. 2592.*									
Mar. 12	9·0	11	57	47·71	...	86	23	41·0	R
194 *R. P. L. 89—s.p.*									
Oct. 30	...	11	58	23·62	3	3	42	54·2	M
195 *W. B. E.* XI. 986.									
Mar. 18	9·0	11	58	38·45	...	85	55	18·8	R
196 9 *Virginis o*									
Mar. 25	...	11	58	47·59	...	80	34	1·7	R
27	5·0		58	47·61	...		33	59·8	R
Apl. 8	4·5		58	47·47	...		34	2·5	R
197 2 *Corvi ε*									
Apl. 24	...	12	3	38·94	...	111	55	6·4	R
25	...		3	38·87	...		55	8·2	R
May 19	...		3	38·87	...		55	7·6	R
21	...		3	38·74	...		55	6·7	R
23	...		3	38·82	...		55	7·9	R
198 *Anon.*									
Mar. 14	9·0	12	4	9·47	...	146	0	24·0	R
199 *Anon.*									
Mar. 16	...	12	4	20·98	...	145	59	43·4	R
200 *Anon.*									
Mar. 25	9·0	12	6	38·43	...	110	2	10·7	R
31	9·0		6	38·40	...		2	10·5	R
Apl. 4	9·2		6	38·64	...		2	9·8	R
6	9·2		6	38·66	...		2	9·7	R

Number and Date.	Magnitude.	Mean Right Ascension. 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1874. °	′	″	Observer.
201 *Anon.*									
Apl. 16	9·0	12	7	0·03	...	150	29	40·8	R
17	9·0		6	59·87	...		29	38·8	R
23	9·1		6	59·98	...		29	40·3	R
202 *Anon.*									
Apl. 13	9·4	12	7	0·00	...	142	54	2·2	R
14	9·6		7	0·13	...		54	3·1	R
15	9·4		6	59·84	...		54	1·6	R
203 *R. P. L.* 90.									
Mar. 21	...	12	7	17·14	3	2	22	1·0	R
23	...		7	17·73	3		22	1·2	R
May 30	...		7	19·67	3		22	0·2	R
R. P. L. 90—*s.p.*									
Oct. 10	...	12	7	17·80	2	2	22	4·0	M
12	...		7	16·37	3		22	0·1	M
Nov. 2	...		7	17·23	3		22	3·1	M
12	...		7	19·17	3		22	0·4	R
13	...		7	17·31	3		22	2·1	R
17	...		7	20·57	3		22	2·5	R
20	...		7	21·06	3		22	2·4	R
21	...		7	21·50	3		22	2·5	R
Dec. 4	...		7	18·81	3		22	0·8	R
204 *Anon.*									
Mar. 13	...	12	8	8·04	...	90	17	34·7	R
20	9·4		8	8·27	...		17	35·1	R
205 69 *Ursæ Majoris δ*									
Apl. 21	...	12	9	11·03	...	32	16	2·6	M
206 *Anon.*									
May 20	9·8	12	9	25·58	...	97	16	44·8	R
21	9·8		9	25·78	...		16	46·0	R
22	9·8		9	25·53	...		16	43·0	R

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207		*Lalande* 22983.							
Apl. 9	8·5	12	9	37·80	...	96	45	56·4	R
11	8·5		9	37·76	...		45	58·0	R
208		*Lalande* 22993.							
Mar. 17	8·6	12	9	53·60	...	96	49	51·7	R
209		*W. B. E.* XII. 139.							
Apl. 24	9·3	12	10	41·14	...	87	35	13·1	R
27	9·1		10	41·11	...		35	14·0	R
May 19	9·1		10	41·19	...		35	15·6	R
210		*W. B. E.* XII. 155.							
Mar. 25	9·0	12	11	31·03	...	87	43	27·4	R
Apl. 6	8·2		11	31·06	...		43	26·9	R
8	8·0		11	30·97	...		43	27·1	R
211		13 *Virginis.*							
Apl. 14	6·2	12	12	12·58	...	90	5	10·6	R
212		*Anon.*							
Mar. 20	8·8	12	13	24·73	...	108	34	26·2	R
Apl. 13	8·6		13	24·68	...		34	28·5	R
213		15 *Virginis η*							
Apl. 29	...	12	13	27·51	...	89	57	56·9	R
May 22	...		13	27·57	...		57	55·7	R
23	...		13	27·61	...		57	58·0	R
25	...		13	27·59	...		57	58·1	R
214		*Anon.*							
Mar. 16	...	12	19	11·85	...	143	33	27·2	R
215		*a Crucis*—1st.							
Apl. 8	...	12	19	35·59	...	152	23	57·3	R

Number and Date.	Magnitude.	Mean Right Ascension. 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1874. °	′	″	Observer.
216		*Anon.*							
Mar. 19	...	12	20	24·32	...	124	17	27·9	R
217		*O. A. S.* 12164.							
Apl. 16	8·3	12	20	29·49	...	111	41	35·6	R
17	8·0		20	29·63	...		41	34·8	R
21	8·0		20	29·35	...		41	34·5	R
23	8·1		20	29·49	...		41	32·7	R
25	8·3		20	29·46	...		41	35·1	R
218		*Anon.*							
Mar. 23	8·0	12	21	39·41	...	145	45	37·5	R
219		*Anon.*							
Mar. 21	9·3	12	24	25·04	...	91	43	9·6	R
25	9·4		24	25·04	...		43	10·5	R
31	9·4		24	25·28	...		43	9·5	R
220		*Anon.*							
Apl. 6	10·0	12	25	8·42	...	151	48	20·3	R
8	...		25	8·32	...		48	17·6	R
221		*Anon.*							
Apl. 11	9·6	12	27	44·57	...	38	3	44·4	R
13	9·6		27	44·69	...		3	42·5	R
14	9·8		27	44·53	...		3	43·9	R
15	9·6		27	44·63	...		3	43·2	R
222		9 *Corvi β*							
May 20	...	12	27	46·24	...	112	41	57·5	R
21	...		27	46·31	...		41	57·7	R
22	..		27	46·28	...		41	57·7	R
29	...		27	46·09	...		41	58·0	R
223		*Anon.*							
Mar. 20	9·0	12	28	22·17	...	140	58	50·6	R
Apl. 4	8·9		28	22·30	...		58	54·2	R
224		*Anon.*							
Mar. 20	9·0	12	33	22·52	...	143	10	40·6	R

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225		29 *Virginis γ²* (*South.*)			
Mar. 25	...	12 35 16·82	...	90 45 32·5	R
Apl. 6	...	35 16·61	-	45 29·2	R
15	...	35 16·57	...	45 31·6	R
16	...	35 16·63	...	45 32·7	R
226		29 *Virginis γ¹* (*North.*)			
Mar. 21	...	12 35 16·99	...	90 45 32·0	R
227		*R. P. L.* 98.			
Mar. 31	...	12 48 5·88	3	5 53 49·3	R
Apl. 4	...	48 5·42	3	53 49·8	R
6	...	48 5·45	7	53 49·6	R
8	...	48 5·78	7	53 50·8	R
11	...	48 6·35	7	53 49·0	R
13	...	48 6·26	7	53 48·8	R
14	...	48 5·68	7	53 49·6	R
15	...	48 6·02	7	53 49·1	R
16	...	48 6·35	7	53 50·9	R
17	...	48 6·52	7	53 51·5	R
		R. P. L. 98—*s.p.*			
Oct. 7	...	12 48 6·45	3	5 53 52·8	M
Nov. 18	...	48 7·62	3	53 51·9	R
Dec. 15	...	48 5·76	3	53 53·4	M
16	...	48 4·94	3	53 49·9	M
18	...	48 5·15	3	53 52·0	M
19	...	48 4·97	3	53 51·9	M
228		*R. P. L.* 99—*s.p.*			
Dec. 2	...	12 48 15·83	3	5 54 7·3	R
229		12 *Canum Venaticorum α*			
June 3	...	12 50 7·94	...	51 0 2·8	M
17	...	50 7·81	...	0 1·6	M
230		51 *Virginis θ*			
May 20	...	13 3 25·70	...	94 51 57·3	R
23	...	3 25·51	...	51 57·8	R
25	...	3 25·57	...	51 56·4	R
May 28	...	13 3 25·72	...	94 51 56·2	R
29	...	3 25·59	...	51 56·6	R
30	...	3 25·54	...	51 55·9	R
June 3	...	3 25·59	...	51 57·9	M
5	...	3 25·65	...	51 55·1	M
6	...	3 25·64	...	51 58·1	M
17	...	3 25·69	5	51 57·3	M
231		*R. P. L.* 101.			
Apl. 21	...	13 8 39·66	3	1 40 28·2	M
23	...	8 39·65	3	40 29·5	R
24	...	8 38·64	3	40 28·6	R
27	...	8 37·94	3	40 30·0	R
May 19	...	8 37·36	3	40 29·7	R
21	...	8 38·01	3	40 29·3	R
22	...	8 38·36	3	40 28·8	R
232		67 *Virginis α, Spica.*			
May 20	...	13 18 33·31	...	100 30 10·4	R
22	...	18 33·27	...	30 9·6	R
29	...	18 33·36	...	30 9·5	R
June 3	...	18 33·31	...	30 12·2	M
5	...	18 33·38	...	30 11·3	M
6	...	18 33·36	...	30 10·1	M
9	...	18 33·32	...	30 10·5	M
12	...	18 33·35	...	30 10·7	M
19	...	18 33·38	...	30 10·8	M
233		*Stone* 7365.			
Apl. 8	...	13 19 38·07	...	143 29 54·3	R
9	...	19 37·81	...	29 52·3	R
234		*Lacaille* 5546.			
Apl. 15	9·0	13 20 17·98	...	143 30 36·9	R
16	9·0	20 17·87	...	30 37·2	R
235		*Anon.*			
Mar. 31	9·5	13 22 22·35	...	112 31 3·5	R
Apl. 4	9·4	22 22·34	...	31 5·1	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
236	*x Virginis, Var.* 10.								
Apl. 9	...	13	27	58·80	...	102	34	2·6	R
11	5·8		27	58·59	...		34	2·7	R
13	6·3		27	58·62	...		34	1·1	R
14	...		27	58·50	...		34	2·3	R
15	6·2		27	58·61	...		34	1·7	R
16	6·0		27	58·82	...		34	2·3	R
17	6·0		27	58·73	...		34	2·4	R
20	6·0		27	58·62	...		34	1·9	M
21	6·5		27	58·67	...		34	2·5	M
23	6·0		27	58·63	...		34	0·6	R
237	79 *Virginis* ζ								
May 23	...	13	28	16·48	...	89	57	2·7	R
25	...		28	16·42	...		57	2·6	R
28	...		28	16·60	...		57	2·7	R
30	...		28	16·42	...		57	1·2	R
June 11	...		28	16·40	...		57	2·6	M
12	...		28	16·44	...		57	3·4	M
238	*Taylor* 6294.								
Apl. 24	7·0	13	29	46·89	...	135	46	59·8	R
27	6·0		29	47·01	...		47	1·7	R
May 19	6·0		29	47·05	...		47	1·5	R
20	6·3		29	46·98	...		47	1·1	R
21	6·3		29	47·02	...		47	0·6	R
239	*Anon.*								
Apl. 4	8·0	13	33	27·28	...	137	40	46·2	R
13	8·1		33	27·33	...		40	44·9	R
15	8·0		33	27·39	...		40	45·1	R
May 22	8·4		33	27·45	...		40	46·0	R
25	...		33	27·49	...		40	45·9	R
240	*Anon.*								
Apl. 14	8·0	13	35	13·71	...	136	21	11·3	R
21	7·9		35	13·92	...		21	12·9	M
23	7·1		35	13·90	...		21	11·1	R
24	7·8		35	13·67	...		21	12·6	R
27	7·1		35	13·84	...		21	13·2	R
241	*Anon.*								
Apl. 8	9·1	13	35	17·10	...	136	43	10·2	R
9	...		35	17·03	...		43	9·4	R
June 5	9·5		35	17·19	5		43	11·2	M
6	9·6		35	17·17	...		43	11·5	M
8	9·4		35	16·89	...		43	12·8	M
242	*Bonn* +0°. 3090.								
Mar. 31	9·5	13	35	30·31	...	89	28	38·7	R
243	*Bonn* +0°. 3091.								
May 21	10·4	13	36	28·14	...	89	38	0·9	R
30	10·0		36	28·13	...		38	1·7	R
244	*Anon.*								
May 20	9·3	13	37	9·69	...	144	41	22·5	R
245	*Taylor* 6363.								
May 19	8·1	13	37	17·93	...	147	36	30·4	R
246	*Lacaille* 5661.								
June 4	7·9	13	37	40·32	...	138	9	32·5	M
18	7·6		37	40·46	5		9	33·2	M
247	*Anon.*								
Apl. 11	9·5	13	38	4·90	...	123	51	6·8	R
May 22	9·9		38	4·97	...		51	7·9	R
248	*Anon.*								
Apl. 4	8·9	13	39	15·83	...	152	49	4·0	R
249	*Anon.*								
Apl. 20	8·7	13	39	44·34	...	138	53	10·9	M
250	*Anon.*								
Apl. 16	8·0	13	40	0·76	...	138	32	1·0	R
23	8·0		40	0·54	...		31	59·1	R
27	8·2		40	0·80	...		31	59·8	R

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251		*Anon.—2nd.*			
Apl. 9	10·0	13 46 6·68	...	128 26 11·9	R
13	10·0	46 6·75	...	26 11·2	R
252		*x Virginis, Var.* 5.			
Apl. 8	9·0	13 47 44·83	...	78 18 54·6	R
253		*Taylor* 6473.			
Mar. 31	...	13 48 21·85	...	97 26 16·2	R
254		8 *Bootis η*			
Apl. 17	...	13 48 41·15	...	70 58 11·5	R
24	...	48 41·09	...	58 9·2	R
May 21	...	48 41·10	...	58 10·9	R
22	...	48 41·12	...	58 9·8	R
26	...	48 41·12	...	58 10·9	R
28	...	48 41 14	...	58 11·8	R
30	...	48 41·14	...	58 10·4	R
June 6	...	48 41·14	...	58 10·9	M
9	...	48 41·18	...	58 11 8	M
11	...	48 41·09	...	58 9·4	M
12	...	48 41·14	...	58 10·7	M
17	...	48 41·10	...	58 9·9	M
19	...	48 41·09	...	58 10·0	M
29	...	48 41·24	...	58 12·3	M
255		*Anon.*			
Apl. 4	10·2	13 52 1·33	...	108 33 34·7	R
256		*Anon.*			
Apl. 9	9·7	13 53 1·60	...	128 4 22·2	R
11	9·5	53 1·52	...	4 23·9	R
14	9·7	53 1·64	...	4 21·4	R
257		*β Centauri.*			
May 19	...	13 54 57·02	...	149 45 49·1	R
23	...	54 56·76	...	45 49·7	R
June 29	...	54 56·82	...	45 51·5	M
258		*W. B. E.* XIII. 1023.			
Mar. 31	8·2	13 59 6·60	...	102 5 54·4	R
Apl. 8	8·4	59 6·56	...	5 55·6	R
13	8·1	59 6·27	...	5 54·6	R
15	8·3	59 6·36	...	5 54·9	R
16	8·2	59 6·44	...	5 55·5	R
20	8·3	59 6·30	...	5 55·8	M
21	8·6	59 6·41	...	5 57·2	M
259		*W. B. E.* XIII. 1070.			
Apl. 4	8·5	14 1 38·72	..	101 57 55·8	R
17	8·1	1 38·55	...	57 55·1	R
24	8·8	1 38·61	...	57 55·4	R
27	8·5	1 38·76	...	57 56·6	R
May 20	8·4	1 38·74	...	57 54·9	R
21	8·4	1 38·59	...	57 55·3	R
22	8·4	1 38·77	...	57 54·6	R
260		*R. P. L.* 108.			
June 4	...	14 2 37·90	3	3 38 19·3	M
5	...	2 38·08	3	38 19·4	M
8	...	2 38·36	3	38 19·8	M
9	...	2 40·50	3	38 19·0	M
		R. P. L. 108—*s.p.*			
Oct. 28	...	14 2 37·27	5	3 38 22·2	M
Nov. 12	...	2 39·11	3	38 20·1	R
261		*Anon.*			
Apl. 23	9·1	14 3 3·90	...	101 48 17·3	R
May 30	9·5	3 3·84	...	48 18·0	R
June 6	9·6	3 4·06	...	48 18·8	M
18	9·4	3 4·01	...	48 17·7	M
262		*Bootis, Var.* 4.			
Apl. 13	9·2	14 4 51·07	...	79 35 22·1	R
14	9·3	4 51·11	...	35 22·8	R
16	9·1	4 51·14	...	35 21·5	R

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263		*Anon.*			
Mar. 31	9·0	14 6 45·97	...	102 20 58·6	R
Apl. 8	9·1	6 46·15	...	20 59·6	R
15	9·1	6 45·95	...	20 57·8	R
27	8·2	6 46·08	...	21 0·2	R
May 19	9·2	6 46·02	...	20 58·9	R
21	9·4	6 45·89	...	21 0·0	R
22	9·4	6 45·90	...	20 59·0	R
23	...	6 45·86	...	20 59·5	R
264		16 *Bootis a, Arcturus.*			
May 26	...	14 9 54·83	...	70 9 39·1	R
June 8	...	9 54·95	...	9 40·1	M
9	...	9 54·91	...	9 39·7	M
11	...	9 54·97	...	9 38·0	M
19	...	9 54·94	...	9 37·7	M
265		*Anon.*			
Apl. 16	8·0	14 10 28·55	...	128 18 0·6	R
17	8·1	10 28·50	...	17 58·7	R
23	8·3	10 28·48	...	17 58·9	R
24	8·8	10 28·26	...	17 58·9	R
266		*Anon.*			
Apl. 9	9·4	14 13 9·36	...	136 52 40·2	R
11	9·4	13 9·29	...	52 41·6	R
267		*W. B. E.* XIV. 240.			
Mar. 31	9·0	14 15 2·32	...	102 36 17·8	R
Apl. 4	9·0	15 2·18	...	36 17·7	R
8	9·0	15 2·39	...	36 20·3	R
14	9·2	15 2·24	...	36 17·1	R
15	9·1	15 2·22	...	36 16·6	R
268		*Anon.*			
Apl. 13	9·0	14 15 54·90	...	122 14 21·7	R
269		*W. B. E.* XIV. 280.			
Apl. 27	7·8	14 16 54·04	...	102 24 22·8	R
May 19	8·1	16 54·19	...	24 22·6	R
23	...	16 53·98	...	24 22·6	R
May 28	8·3	14 16 54·16	...	102 24 23·2	R
29	8·3	16 54·13	..	24 21·5	R
270		*Lacaille* 5926.			
Apl. 17	9·1	14 17 15·01	...	119 2 45·0	R
271		*Taylor* 6721.			
Apl. 23	7·2	14 17 54·46	...	101 5 46·2	R
272		*Anon.*			
May 22	10·3	14 18 0·86	...	123 16 9·9	R
June 18	10·0	18 0·72	...	16 10·6	M
273		*W. B. E.* XIV. 315.			
Apl. 11	6·5	14 18 28·27	...	102 46 55·7	R
May 20	7·1	18 28·27	...	46 54·1	R
21	7·0	18 28·24	...	46 53·6	R
30	7·1	18 28·35	..	46 52·9	R
June 4	6·9	18 28·45	...	46 56·2	M
5	6·9	18 28·42	...	46 55·3	M
8	6·5	18 28·18	...	46 54·2	M
9	6·5	18 28·40	...	46 56·2	M
274		*W. B. E.* XIV. 360.			
Mar. 31	8·0	14 20 55·71	...	102 47 29·3	R
Apl. 4	7·8	20 55·59	...	47 28·5	R
8	7·8	20 55·48	...	47 30·5	R
15	8·0	20 55·36	...	47 28·7	R
24	8·0	20 55·50	...	47 28·4	R
27	7·8	20 55·42	...	47 27·6	R
May 19	8·0	20 55·62	...	47 29·8	R
June 12	7·7	20 55·60	...	47 29·5	M
17	...	20 55·46	...	47 28·1	M
275		*W. B. E.* XIV. 392.			
Apl. 16	9·1	14 22 44·52	...	108 15 36·4	R
May 20	9·4	22 44·52	...	15 35·1	R
21	9·4	22 44·43	...	15 35·8	R
22	9·4	22 44·38	...	15 35·4	R
23	...	22 44·37	...	15 36·5	R
28	8·3	22 44·40	...	15 38·2	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
276		*W. B. E.* XIV. 410.							
Apl. 9	9·0	14	23	55·48	...	108	2	38·1	R
13	9·0		23	55·30	...		2	36·0	R
14	9·3		23	55·25	...		2	36·7	R
277		25 *Bootis ρ*							
June 4	...	14	26	23·94	...	59	4	29·3	M
24	...		26	23·99	...		4	29·4	M
278		*W. B. E.* XIV. 458.							
Mar. 31	9·0	14	26	42·14	...	108	31	11·1	R
Apl. 4	9·5		26	41·96	...		31	10·0	R
8	9·6		26	42·04	...		31	10·9	R
11	9·5		26	41·92	...		31	13·7	R
15	10·0		26	41·94	...		31	10·3	R
279		*O. A. N.* 14652.							
June 8	8·6	14	27	9·79	...	20	9	42·2	M
280		*Anon.*							
May 22	9·8	14	27	19·80	...	128	22	43·0	R
30	9·8		27	19·74	...		22	41·4	R
June 6	9·3		27	19·76	...		22	42·8	M
281		*W. B. E.* XIV. 512.							
Apl. 16	9·0	14	29	26·75	...	108	28	34·1	R
17	9·0		29	26·75	...		28	36·7	R
282		*R Bootis, Var.* 1							
Apl. 8	8·0	14	31	38·34	...	62	42	56·6	R
9	...		31	38·28	...		42	55·8	R
283		*Anon.*							
Mar. 31	10·0	14	35	17·79	...	61	58	39·7	R
284		*Anon.*							
Apl. 4	9·3	14	37	16·25	...	150	19	56·2	R
11	9·3		37	16·07	..		19	58·7	R
15	9·6		37	16·02	...		19	56·9	R
285		36 *Bootis ε², Mirac.*							
Apl. 23	...	14	39	29·06	...	62	23	37·3	R
27	...		39	28·98	...		23	36·6	R
May 19	...		39	29·13	...		23	36·8	R
22	...		39	29·02	...		23	38·5	R
26	...		39	29·16	...		23	36·7	R
June 4	...		39	29·11	...		23	37·8	M
5	...		39	29·00	...		23	38·3	M
18	...		39	29·13	...		23	37·9	M
24	...		39	29·05	...		23	36·9	M
29	...		39	29·08	...		23	36·7	M
July 1	...		39	29·06	...		23	35·7	R
3	...		39	29·10	...		23	36·8	R
9	...		39	29·10	...		23	35·9	R
286		*Anon.*							
Mar. 31	9·0	14	43	2·61	...	129	9	22·2	R
287		8 *Libræ α¹*							
Apl. 4	6·0	14	43	43·01	...	105	28	17·8	R
8	6·0		43	43·01	...		28	18·3	R
288		9 *Libræ α²*							
June 8	...	14	43	54·59	...	105	31	2·8	M
29	...		43	54·55	...		31	1·7	M
July 2	...		43	54·58	...		31	1·2	R
289		*Anon.*							
Apl. 9	8·1	14	46	1·82	..	101	51	52·5	R
11	8·0		46	1·80	...		51	52·2	R
290		13 *Libræ ξ¹*							
Apl. 16	6·1	14	47	32·49	...	101	22	55·6	R
17	6·2		47	32·51	...		22	57·2	R
23	6·3		47	32·30	...		22	53·9	R
291		*Anon.*							
May 21	9·8	14	48	16·68	...	150	43	27·2	R
22	9·8		48	16·72	...		43	26·5	R

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292	*Anon.*								
May 19	9·1	14	51	1·72	...	130	34	40·7	R
30	9·2		51	1·71	...		34	39·0	R
293	*Anon.*								
Apl. 9	9·0	14	51	42·77	...	39	22	4·8	R
11	9·0		51	42.58	...		22	4·7	R
27	9·2		51	42·79	...		22	4·0	R
294	*Anon.*								
Mar. 31	9·0	14	52	12·40	...	123	15	12·4	R
Apl. 8	9·0		52	12·15	...		15	10·8	R
295	*Taylor* 6991.								
May 23	...	14	52	12·33	...	39	51	20·3	R
28	5·5		52	12·22	...		51	20·0	R
296	*O. A. N.* 14999.								
Apl. 24	9·0	14	53	52·42	5	41	27	50·5	R
May 22	9·3		53	52·61	...		27	52·0	R
June 5	8·7		53	52·80	...		27	50·7	M
297	*O. A. N.* 15004.								
Apl. 17	7·9	14	54	12·44	...	39	28	27·8	R
298	19 *Libræ* δ, *Var.* 4.								
May 29	...	14	54	14·70	...	98	1	3·9	R
June 6	5·8		54	14·57	...		1	4·4	M
8	5·9		54	14·53	...		1	3·3	M
17	5·2		54	14·48	...		1	4·2	M
18	5·3		54	14·72	...		1	3·8	M
299	*Anon.*								
Apl. 8	...	14	58	21·26	...	131	33	6·3	R
300	43 *Bootis* ψ								
July 2	...	14	59	2·89	...	62	33	36·9	R
7	...		59	2·81	...		33	34·8	R
9	...		59	2·86	...		33	34·0	R
301	47 *Bootis* κ								
Apl. 11	6·0	15	1	15·39	...	41	21	40·7	R
17	...		1	15·37	...		21	40·4	R
May 19	6·2		1	15·51	...		21	41·0	R
20	6·8		1	15·41	...		21	40·8	R
302	*Anon.*								
Apl. 23	8·9	15	1	30·30	...	97	24	40·9	R
24	9·0		1	30·31	...		24	42·6	R
27	8·8		1	30·34	...		24	43·7	R
303	*Anon—2nd.*								
Apl. 9	8·6	15	4	10·80	...	122	21	1·2	R
May 28	8·9		4	10·96	...		21	5·0	R
304	*O. A. N.* 15138.								
May 29	...	15	4	27·72	...	43	2	22·9	R
July 3	9·0		4	27·97	...		2	22·7	R
305	*R. P. L.* 111—*s.p.*								
Jan. 14	...	15	4	34·75	3	5	33	47·9	M
15	...		4	34·32	3		33	42·8	M
16	...		4	34·85	3		33	46·6	M
Dec. 25	...		4	33·25	3		33	44·7	M
306	*W. B. E.* XV. 86.								
Apl. 8	9·2	15	7	3·72	...	98	4	9·5	R
307	*Anon.*								
Apl. 27	8·8	15	7	18·60	...	98	17	39·5	R
May 23	...		7	18·41	...		17	39·1	R
30	8·8		7	18·55	...		17	36·5	R
July 7	...		7	18·46	...		17	35·5	R
9	8·2		7	18·46	...		17	36·4	R
308	*Anon.*								
June 18	8·8	15	7	22·17	6	130	28	47·4	M
July 15	9·0		7	22·02	...		28	44·7	R

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309			*27 Libræ β*						
Apl. 17	...	15	10	13·70	...	98	54	59·5	R
23	...		10	13·70	...		54	57·5	R
June 4	...		10	13·66	...		55	0·6	M
8	...		10	13·64	...		55	0·8	M
24	...		10	13·68	...		54	59·0	M
July 1	...		10	13·63	...		54	58·6	R
4	...		10	13·75	...		54	59·6	R
14	...		10	13·64	...		54	58·8	R
16	...		10	13·70	...		54	59·6	R
310			*Redhill 2293—s.p.*						
Jan. 17	...	15	13	24·17	3	4	23	18·2	M
19	...		13	23·95	3		23	18·3	M
27	...		13	24·30	3		23	20·0	M
29	...		13	24·04	3		23	19·9	M
311			*Anon.*						
Apl. 9	9·0	15	14	49·56	...	123	9	44·2	R
312			*Lacaille 6354.*						
Apl. 11	9·0	15	15	38·41	...	124	17	24·2	R
27	8·9		15	38·26	...		17	23·6	R
May 19	9·1		15	38·55	...		17	22·1	R
313			*S Coronæ Borealis, Var. 2.*						
May. 28	7·2	15	16	15·95	...	58	10	43·7	R
29	...		16	16·07	...		10	43·3	R
30	7·2		16	16·17	...		10	43·1	R
June 5	7·3		16	15·93	...		10	42·3	M
9	7·4		16	15·94	...		10	43·0	M
18	6·2		16	15·98	...		10	41·9	M
29	6·4		16	15·72	...		10	43·3	M
314			*W. B. E. XV. 290.*						
May 20	8·5	15	17	33·87	...	102	27	24·7	R
23	...		17	34·03	...		27	26·8	R
July 1	8·3		17	33·83	...		27	24·1	R
2	8·2		17	33·87	...		27	24·6	R
315			*Anon.*						
July 3	9·0	15	17	43·38	...	130	5	50·0	R
20	9·1		17	43·42	...		5	47·8	R
21	9·2		17	43·45	...		5	47·5	R
316			*R. P. L. 114—s.p.*						
Jan. 31	...	15	18	37·54	3	2	17	12·8	M
317			*W. B. E. XV. 319.*						
Apl. 17	9·0	15	18	44·26	...	102	25	26·1	R
23	9·1		18	44·38	...		25	25·5	R
318			*Anon.*						
Apl. 27	9·0	15	22	19·46	...	129	28	7·7	R
May 28	9·2		22	19·54	...		28	6·3	R
319			*Anon.*						
Apl. 11	8·6	15	23	2·41	...	125	12	16·4	R
320			*Anon.*						
Apl. 23	9·6	15	25	12·66	...	130	11	0·1	R
May 19	9·8		25	12·93	...		11	2·1	R
20	9·7		25	12·90	...		11	2·0	R
321			*Lacaille 6421.*						
Apl. 17	8·0	15	26	16·54	...	122	44	37·8	R
322			*Lalande 28320.*						
Apl. 27	8·2	15	27	2·76	...	103	48	11·3	R
May 21	8·3		27	2·85	...		48	9·9	R
28	8·2		27	2·66	...		48	11·8	R
29	...		27	2·56	...		48	10·8	R
323			*5 Coronæ Borealis α*						
May 30	...	15	29	21·31	...	62	51	35·6	R
July 2	...		29	21·20	...		51	35·6	R
4	...		29	21·13	...		51	35·4	R
7	...		29	21·21	...		51	34·6	R
14	...		29	21·16	...		51	36·3	R
20	...		29	21·18	...		51	38·3	R
21	...		29	21·16	...		51	33·7	R

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324			*Anon.*						
July 3	10·0	15	29	49·40	...	119	42	28·5	R
15	10·0		29	49·62	...		42	26·2	R
16	10·0		29	49·52	...		42	25·3	R
325			*Anon.*						
Apl. 11	9·5	15	30	49·34	...	129	35	29·5	R
326			*W. B. E.* XV. 557.						
May 23	...	15	30	58·50	...	104	6	47·9	R
June 5	7·4		30	58·31	...		6	48·2	M
6	7·6		30	58·38	...		6	48·6	M
327			*W. B. E.* XV. 564.						
Apl. 23	7·0	15	31	27·51	...	104	5	55·5	R
May 19	7·0		31	27·71	...		5	55·6	R
20	7·4		31	27·56	...		5	56·8	R
328			43 *Libræ κ*.						
May 21	5·3	15	34	41·23	...	109	16	7·1	R
28	5·2		34	41·40	...		16	6·2	R
29	...		34	41·13	...		16	5·8	R
329			*Anon.*						
May 30	8·7	15	35	30·38	...	129	3	24·5	R
July 9	8·5		35	30·24	...		3	22·8	R
330			24 *Serpentis a*.						
Apl. 11	...	15	38	3·76	...	83	10	35·2	R
July 3	...		38	3·74	...		10	32·6	R
7	...		38	3·79	...		10	33·5	R
14	...		38	3·77	...		10	33·3	R
17	...		38	3·72	...		10	32·8	R
331			*O. A. S.* 14840.						
May 22	8·5	15	38	19·80	...	114	19	6·0	R
23	...		38	20·08	...		19	4·4	R
June 4	8·4		38	20·14	...		19	4·7	M
332			*Anon.*						
June 18	8·0	15	38	20·32	...	125	29	3·1	M
19	8·0		38	20·22	...		29	3·4	M
July 16	8·2		38	20·41	...		29	2·1	R
20	8·1		38	20·26	...		29	0·0	R
21	8·3		38	20·30	...		29	3·0	R
333			*O. A. S.* 14841.						
July 2	9·0	15	38	24·30	...	114	9	39·6	R
4	9·1		38	24·88	...		9	42·5	R
15	9·0		38	24·22	...		9	39·9	R
334			*O. A. S.* 14874.						
May 20	9·2	15	40	1·65	...	104	50	32·4	R
335			*Lacaille* 6524.						
June 24	5·9	15	41	20·12	...	144	40	8·4	M
336			*Anon.*						
May. 21	9·8	15	42	43·41	...	104	26	15·0	R
July 9	9·6		42	43·18	...		26	16·1	R
337			*R Coronæ Borealis, Var.* 1.						
May 28	6·8	15	43	22·92	...	61	27	20·0	R
June 6	6·4		43	22·82	...		27	19·9	M
9	6·6		43	23·04	...		27	20·0	M
17	6·1		43	22·97	...		27	21·1	M
July 4	6·1		43	22·77	...		27	21·1	R
338			*Anon.*						
Apl. 11	9·5	15	44	31·56	...	104	28	23·8	R
339			36 *Serpentis b*.						
May 23	...	15	44	42·35	...	92	42	27·0	R
340			*W. B. E.* XV. 861.						
July 15	9·4	15	46	5·06	...	101	27	16·5	R
16	9·5		46	5·07	5		27	18·4	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h. m. s.	No. of Wires.	Mean Polar Distance 1874. ° ′ ″	Observer.
341	*Radcliffe* 3462.				
July 3	8·3	15 46 41·05	...	47 3 20·7	R
342	*R. P. L.* 115—*s.p.*				
Jan. 1	...	15 46 55·54	3	4 45 45·3	M
7	...	46 54·99	2	45 48·2	M
Dec. 5	...	46 56·34	3	45 45·6	M
15	...	46 55·99	3	45 48·9	M
17	...	46 55·23	3	45 47·7	M
18	...	46 55·85	3	45 45·7	M
343	*O. A. S.* 14996.				
May 20	9·4	15 47 3·85	...	105 17 17·2	R
July 22	9·5	47 3·78	...	17 20·8	R
344	*Lalande* 28970.				
May 21	8·4	15 48 24·91	...	70 50 55·6	R
345	*O. A. S.* 15053.				
June 5	8·3	15 49 36·13	...	105 27 43·3	M
346	*W. B. E.* XV. 923.				
July 2	9·2	15 49 51·75	...	104 57 49·2	R
347	*Anon.*				
June 18	8·9	15 49 58·29	6	104 0 47·8	M
July 9	9·1	49 57·99	...	0 45·5	R
348	*Lalande* 29054.				
May 23	...	15 51 3·98	...	104 5 26·7	R
349	4 *Herculis.*				
May 28	...	15 51 16·34	5	47 4 0·3	R
July 1	...	51 15·98	...	3 57·7	R
350	7 *Scorpii* δ.				
May 22	...	15 52 53·20	...	112 15 40·3	R
351	49 *Libræ.*				
July 3	5·8	15 53 15·71	...	106 9 36·0	R
352	*Taylor* 7439.				
May 21	8·8	15 55 6·12	...	126 46 50·6	R
353	*O. A. S.* 15146.				
July 14	9·0	15 55 21·42	...	107 30 32·8	R
15	9·0	55 21·48	...	30 31·6	R
354	*W. B. E.* XV. 1047.				
July 2	8·1	15 56 27·34	...	91 17 49·1	R
355	51 *Scorpii* ξ.				
May 23	...	15 57 26·40	...	101 1 26·7	R
356	8 *Scorpii* β[1]				
Apl. 11	...	15 58 6·78	...	109 27 30·0	R
May 20	...	58 6·65	...	27 29·2	R
23	...	58 6·59	...	27 30·9	R
June 18	...	58 6·71	6	27 32·2	M
July 1	...	58 6·86	...	27 29·9	R
3	...	58 6·70	...	27 29·9	R
9	...	58 6·67	...	27 29·1	R
17	...	58 6·78	...	27 28·7	R
21	...	58 6·83	...	27 27·9	R
29	..	58 6·77	...	27 30·0	R
357	9 *Scorpii* ω[1]				
May 22	5·0	15 59 26·50	...	110 19 33·7	R
June 4	4·6	59 26·27	...	19 34·8	M
July 7	4·6	59 26·30	...	19 34·2	R
358	*O. A. S.* 15237.				
May 21	8·5	15 59 53·32	...	106 36 3·8	R
29	...	59 53·25	...	36 3·1	R
359	*Lalande* 29306.				
June 6	8·7	16 0 0·52	...	107 35 40·8	M

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
360		*11 Scorpii.*							
June 24	6·1	16	0	36·70	...	102	24	15·9	M
July 14	6·0		0	36·89	...		24	15·2	R
15	5·9		0	36·97	...		24	14·3	R
Aug. 7	6·3		0	36·74	...		24	17·3	M
12	6·0		0	36·59	5		24	16·7	M
361		*R. P. L.* 116—*s.p.*							
Jan. 5	...	16	2	37·79	3	4	20	26·8	M
12	...		2	38·45	3		20	28·9	M
Feb. 2	...		2	38·71	3		20	24·8	R
362		*Lalande* 29414.							
July 4	8·0	16	2	52·56	...	102	33	7·8	R
Aug. 13	8·0		2	52·41	6		33	6·9	M
14	8·0		2	52·44	6		33	7·5	M
363		*W. B. E.* XVI. 83.							
May 21	8·3	16	6	36·55	...	102	42	39·0	R
23	...		6	36·50	...		42	39·0	R
364		*O. A. S.* 15412.							
July 2	9·1	16	6	52·68	...	106	4	42·6	R
9	9·0		6	52·47	...		4	40·6	R
365		*O. A. S.* 15416.							
June 9	7·7	16	7	4·41	...	110	47	7·6	M
July 1	8·0		7	4·41	...		47	4·8	R
7	8·0		7	4·47	...		47	5·3	R
366		*O. A. S.* 15418.							
July 14	9·0	16	7	5·04	...	106	13	5·2	R
Aug. 7	8·9		7	5·07	4		13	7·8	M
367		1 *Ophiuchi* δ							
May 29	...	16	7	44·68	...	93	22	5·5	R
June 18	...		7	44·53	...		22	6·9	M
July 15	...		7	44·57	...		22	4·7	R
17	...		7	44·58	...		22	4·9	R
July 20	...	16	7	44·59	...	93	22	4·5	R
22	...		7	44·61	...		22	4·1	R
29	...		7	44·59	...		22	4·0	R
31	...		7	44·61	...		22	4·8	R
Aug. 11	...		7	44·61	...		22	7·7	M
368		*Anon.*							
July 3	10·1	16	10	19·02	...	112	35	1·7	R
369		*Anon.*							
May 21	10·5	16	12	59·14	...	107	38	15·6	R
23	...		12	59·01	...		38	15·2	R
370		*Anon.*							
May 20	8·0	16	15	1·23	...	146	12	35·1	R
371		*Anon.*							
July 7	9·5	16	16	26·43	...	128	9	6·6	R
9	9·5		16	26·44	...		9	7·1	R
14	9·5		16	26·64	...		9	7·1	R
372		*Anon.*							
Aug. 14	9·2	16	16	37·05	...	152	18	33·2	M
373		*Anon.*							
July 4	10·0	16	17	10·50	...	107	27	3·3	R
374		*O. A. S.* 15606.							
July 2	9·0	16	17	26·26	...	107	15	56·6	R
3	9·1		17	26·34	...		15	56·9	R
375		*O. A. S.* 15613.							
June 4	7·9	16	17	50·98	...	118	10	3·4	M
6	7·6		17	51·10	...		10	2·9	M
376		5 *Ophiuchi* ρ							
June 9	7·2	16	18	1·76	...	113	9	17·6	M
17	7·0		18	1·82	...		9	18·4	M
19	7·0		18	1·80	...		9	16·1	M
July 1	7·1		18	1·95	...		9	18·6	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
377			*Taylor* 7621.						
July 18	9·6	16	18	2·20	...	113	6	44·9	R
22	9·4		18	1·89	...		6	46·9	R
Aug. 3	8·6		18	2·18	...		6	46·3	M
378			*Anon.*						
Aug. 8	8·1	16	18	40·12	...	129	32	3·8	M
11	9·0		18	40·10	...		32	2·7	M
12	9·0		18	40·11	...		32	0·9	M
379			7 *Ophiuchi* χ						
May 19	...	16	19	43·57		108	10	5·5	R
23	...		19	43·61			10	6·4	R
June 5	...		19	43·14			10	6·1	M
380			21 *Scorpii* α, *Antares.*						
July 4	...	16	21	41·05	...	116	8	59·5	R
15	...		21	40·98	...		8	59·0	R
20	...		21	41·07	...		8	59·4	R
21	...		21	41·06	...		8	59·8	R
29	...		21	40·99	...		8	59·6	R
Aug. 7	...		21	41·07	...		9	1·5	M
381			*Lalande* 30042.						
May 21	8·8	16	23	4·23	...	48	28	11·5	R
382			8 *Ophiuchi* φ						
May 29	...	16	23	55·79	...	106	20	8·4	R
July 9	...		23	55·47	...		20	6·3	R
383			30 *Herculis* g.						
Aug. 13	5·9	16	24	29·74	5	47	50	26·3	M
384			*Anon.*						
May 20	9·4	16	27	5·38	...	130	56	9·9	R
30	9·5		27	5·47	...		56	9·4	R
385			13 *Ophiuchi* ζ						
May 28	...	16	30	13·24	...	100	18	37·4	R
29	...		30	13·14	...		18	35·4	R
386			*Brisbane* 5784.						
May 20	9·8	16	31	47·58	...	150	40	41·3	R
387			*Taylor* 7724.						
May 21	7·4	16	34	29·65	...	109	40	50·6	R
28	7·2		34	29·55	...		40	49·9	R
388			*Anon.*						
May 30	8·2	16	35	19·62	...	134	8	14·6	R
389			α *Trianguli Australis.*						
Aug. 8	...	16	35	20·63	...	158	47	37·8	M
14	...		35	20·51	...		47	36·0	M
28	...		35	20·71	5		47	35·5	M
390			40 *Herculis* ζ						
July 22	...	16	36	32·15	...	58	10	2·2	R
31	...		36	32·20	...		10	4·2	R
Aug. 7	...		36	32·15	...		10	4·8	M
391			*Anon.*						
July 2	9·0	16	37	25·45	...	130	59	8·4	R
392			*O. A. S.* 15952.						
May 21	9·3	16	39	58·00	...	111	56	40·7	R
23	...		39	58·09	...		56	41·6	R
393			*Lacaille* 6984.						
Aug. 11	8·1	16	40	21·27	5	120	58	34·8	M
12	8·0		40	21·29	...		58	32·1	M
13	8·0		40	21·31	...		58	31·3	M
394			*Anon.*						
May 29	8·4	16	45	6·15	...	131	2	33·6	R

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395 *Anon.*									
July 21	10·0	16	45	20·98	...	75	17	46·0	B
22	10·2		45	20·98	...		17	45·1	B
396 *Taylor* 7815.									
June 3	8·3	16	46	10·93	...	130	18	54·5	M
July 20	8·5		46	11·23	...		18	53·5	B
397 49 *Herculis.*									
Aug. 24	7·6	16	46	20·75	6	74	48	43·1	M
28	7·3		46	20·57	...		48	45·2	M
398 *Anon.*									
May 30	9·0	16	46	56·30	...	136	38	34·4	B
399 *Anon.*									
Aug. 14	8·6	16	47	32·69	...	130	17	27·1	M
400 *Stone* 9208.									
June 18	8·1	16	48	12·36	...	121	6	5·9	M
Aug. 3	8·0		48	12·56	3		6	7·3	M
401 *Anon.*									
May 21	8·2	16	49	33·54	...	125	32	18·4	B
23	...		49	33·41	...		32	19·5	B
402 27 *Ophiuchi* κ									
July 1	...	16	51	42·15	...	80	25	38·5	B
15	...		51	42·29	...		25	35·7	B
16	...		51	42·17	...		25	37·7	B
22	...		51	42·26	...		25	35·4	B
30	...		51	42·27	...		25	36·4	B
Aug. 12	...		51	42·18	...		25	38·9	M
13	...		51	42·24	...		25	38·0	M
18	...		51	42·25	...		25	39·0	M

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
403 *Anon.*									
May 20	8·8	16	52	18·46	...	122	54	40·9	B
June 4	8·6		52	18·75	...		54	41·7	M
5	8·5		52	18·55	...		54	41·3	M
404 *O. A. S.* 16232.									
July 21	10·0	16	54	32·86	...	100	15	39·0	B
405 22 *Ursæ Minoris* ε									
July 20	...	16	58	56·91	7	7	45	33·8	B
Aug. 28	...		58	57·42	5		45	30·7	M
22 *Ursæ Minoris* ε—*s.p.*									
Dec. 28	...	16	58	57·02	5	7	45	31·1	B
406 *Anon.*									
May 21	8·2	17	4	43·31	...	59	8	0·9	B
23	...		4	43·39	...		8	1·2	B
407 *Lacaille* 7168.									
May 30	8·0	17	5	16·83	...	128	8	28·6	B
408 *O. A. S.* 16432.									
June 18	8·0	17	6	24·11	...	105	24	27·9	M
July 1	8·1		6	23·97	...		24	28·8	B
409 *Anon.*									
Aug. 25	9·0	17	6	48·83	...	130	54	49·3	M
28	9·0		6	48·69	...		54	47·1	M
410 64 *Herculis* α, *Var* 1.									
July 16	...	17	8	54·15	...	75	27	52·8	B
30	...		8	54·10	...		27	49·8	B
31	...		8	54·15	...		27	50·6	B
Aug. 6	...		8	54·31	...		27	49·8	M
7	...		8	54·21	...		27	51·7	M
18	...		8	54·13	...		27	51·2	M
19	...		8	54·17	...		27	53·4	M
21	...		8	54·18	...		27	50·2	M

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h. m. s.	No. of Wires.	Mean Polar Distance 1874. ° ′ ″	Observer.
411		*Anon.*			
July 2	8·1	17 9 40·79	...	124 4 59·3	R
412		*Anon.*			
May 30	10·2	17 12 40·25	...	130 28 19·4	R
413		42 *Ophiuchi* θ			
July 14	...	17 14 16·41	...	114 52 16·0	R
30	...	14 16·35	...	52 15·8	R
Aug. 3	...	14 16·46	...	52 18·0	M
6	...	14 16·26	...	52 17·0	R
414		*Anon.*			
July 20	8·5	17 21 55·46	..	130 46 11·6	R
22	9·0	21 55·38	6	46 11·1	R
Aug. 8	9·1	21 55·32	...	46 14·1	M
12	9·1	21 55·18	5	46 12·8	M
415		*Brisbane* 6091.			
May 30	8·5	17 22 11·66	...	148 27 34·4	R
416		*Lacaille* 7135.			
Aug. 14	7·6	17 22 50·52	...	130 56 21·5	M
24	7·4	22 50·57	...	56 22·2	M
25	7·5	22 50·78	...	56 22·8	M
28	7·7	22 50·57	...	56 21·8	M
417		23 *Draconis* β			
Aug. 11	...	17 27 35·20	...	37 36 17·3	M
22	...	24 35·08	...	36 16·9	M
418		*Taylor* 8129.			
May 30	8·2	17 28 11·36	...	77 23 50·6	R
419		55 *Ophiuchi* α			
Aug. 3	...	17 29 5·02	...	77 20 48·0	M
21	...	29 5·14	...	20 46·7	M
420		*Anon.*			
July 2	8·0	17 29 5·56	8·0	125 15 6·0	R
421		*Anon.*			
July 20	9·0	17 30 5·26	...	130 56 48·8	R
22	9·4	30 5·22	5	56 49·4	R
422		*Taylor* 8141.			
July 1	6·4	17 31 10·59	...	111 50 8·4	R
423		56 *Serpentis* ο			
July 16	8·5	17 34 20·30	...	101 48 18·7	R
20	6·3	34 20·19	...	48 18·4	R
424		*Anon.*			
Aug. 13	9·2	17 34 53·96	4	128 57 52·7	M
425		*Anon.*			
May 30	8·5	17 40 36·35	...	126 28 35·6	R
426		86 *Herculis* μ			
Aug. 6	...	17 41 31·58	...	62 12 16·2	R
18	...	41 31·67	...	12 16·3	M
19	...	41 31·67	...	12 15·8	M
28	...	41 31·74	...	12 18·8	M
427		*Anon.*			
July 21	8·8	17 42 42·99	...	118 27 36·7	R
22	8·6	42 42·97	...	27 38·0	R
Aug. 15	9·0	42 42·82	...	27 39·1	M
428		*Radcliffe* 3765.			
July 1	8·4	17 48 33·49	...	17 32 9·4	R
429		31 *Draconis* ψ^1			
July 30	...	17 44 12·25	4	17 46 52·8	R
Aug. 11	6·0	44 12·92	5	46 54·2	M
24	6·4	44 13·15	...	46 52·8	M
25	6·5	44 12·88	...	46 54·3	M

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
430			*Anon.*						
June 18	8·0	17	45	42·59	...	128	35	31·2	M
431			*Lacaille* 7499.						
May 30	7·4	17	48	57·14	...	129	4	56·1	R
432			33 *Draconis* γ						
June 17	...	17	53	40·91	...	38	29	46·0	M
433			*Anon.*						
July 2	10·0	18	4	20·01	...	59	9	50·0	R
434			13 *Sagittarii* μ¹						
Aug. 19	...	18	6	13·58	5	111	5	22·7	M
22	...		6	13·85	...		5	22·6	M
26	...		6	13·61	...		5	21·9	M
435			14 *Sagittarii.*						
July 15	5·0	18	6	41·58	...	111	44	38·6	R
Aug. 6	...		6	41·71	...		44	41·4	R
12	5·6		6	41·61	...		44	40·5	M
13	5·7		6	41·66	...		44	39·9	M
436			*Anon.*						
Aug. 21	8·0	18	7	23·19	...	122	22	37·7	M
31	8·0		7	23·27	...		22	39·2	M
437			15 *Sagittarii.*						
Aug. 11	5·0	18	7	41·90	...	110	45	49·7	M
15	5·2		7	41·75	...		45	47·8	M
18	...		7	41·95	4		45	51·6	M
438			*Lacaille* 7644.						
July 20	...	18	9	39·94	...	132	19	53·5	R
439			23 *Ursæ Minoris* δ						
July 15	...	18	12	59·04	3	3	23	31·2	R
Sep. 4	...		12	58·52	3		23	32·1	R
5	...		12	58·42	3		23	32·2	R
440			24 *Ursæ Minoris.*						
July 2	...	18	17	25·56	3	3	0	51·0	R
			24 *Ursæ Minoris—s.p.*						
Jan. 26	...	18	17	25·61	2	3	0	50·8	M
Feb. 3	...		17	27·21	3		0	50·0	R
6	...		17	27·00	3		0	50·3	R
7	...		17	26·15	3		0	49·7	R
441			*O. A. S.* 18326.						
June 24	8·4	18	23	58·80	...	109	14	35·3	M
442			V *Sagittarii, Var.* 5.						
Aug. 26	...	18	24	0·69	4	108	20	49·1	M
27	7·7		24	0·71	...		20	51·4	M
29	7·8		24	0·81	...		20	51·3	M
443			*Taylor* 8527.						
July 14	6·1	18	24	3·10	...	108	22	2·8	R
444			U *Sagittarii, Var.* 4.						
Aug. 6	...	18	24	28·07	...	108	12	39·5	R
8	6·2		24	27·94	...		12	40·3	M
12	6·5		24	27·89	...		12	40·3	M
445			θ *Coronæ Australis.*						
Aug. 14	6·9	18	24	30·12	...	132	24	1·4	M
15	6·9		24	30·11	...		24	0·9	M
446			*O. A. S.* 18346.						
July 15	7·1	18	24	46·07	...	108	12	37·0	R
447			*Taylor* 8551.						
July 26	7·3	18	28	10·75	...	140	18	17·0	R
Sep. 7	7·3		28	10·71	...		18	17·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
448				*Anon.*					
Sep. 4	9·7	18	30	6·75	...	135	12	2·8	R
5	9·7		30	6·71	...		12	2·1	R
8	9·7		30	6·86	...		12	1·9	R
449				*Anon.*					
July 14	9·0	18	30	10·51	...	135	51	26·6	R
15	9·0		30	10·46	...		51	25·4	R
450				3 *Lyræ α, Vega.*					
Aug. 8	...	18	32	40·35	...	51	19	58·8	M
12	...		32	40·19	...		19	57·4	M
13	...		32	40·32	...		19	57·2	M
15	...		32	40·39	...		19	57·5	M
21	...		32	40·29	...		19	57·0	M
22	...		32	40·32	...		19	58·0	M
24	...		32	40·33	...		19	56·9	M
25	...		32	40·30	...		19	59·0	M
31	...		32	40·28	...		19	58·8	M
451				*Anon.*					
July 14	9·0	18	35	23·41	...	136	44	27·8	R
452				*Anon.*					
July 20	9·6	18	35	44·76	...	137	15	47·7	R
453				*Anon.*					
July 15	9·0	18	41	5·87	...	127	26	58·4	R
Aug. 24	8·9		41	5·86	...		26	59·1	M
Sep. 2	9·0		41	5·64	...		26	59·2	R
454				*O. A. S.* 18773.					
July 14	9·0	18	45	3·01	...	118	17	36·7	R
455				10 *Libræ* β^1, *Var.* 1.					
Aug. 12	...	18	45	25·71	3	56	46	57·3	M
13	...		45	25·68	...		46	55·8	M
14	...		45	25·71	...		46	57·8	M
15	...		45	25·59	...		46	56·4	M
Aug. 22	...	18	45	25·51	...	56	46	57·4	M
25	...		45	25·66	...		46	57·9	M
26	...		45	25·48	...		46	58·2	M
27	...		45	25·87	...		46	58·6	M
28	...		45	25·61	...		46	56·9	M
31	...		45	25·62	...		46	57·8	M
456				*Anon.*					
July 15	8·1	18	46	31·32	...	126	40	15·4	R
457				*Anon.*					
Sep. 4	9·0	18	48	0·89	...	116	5	32·9	R
5	9·0		48	0·90	...		5	32·5	R
7	9·1		48	0·88	...		5	32·8	R
8	9·1		48	0·76	...		5	31·1	R
10	9·2		48	0·69	...		5	33·1	R
458				*R. P. L.* 131.					
July 30	...	18	55	48·42	3	3	27	8·7	R
Sep. 2	...		55	47·94	3		27	10·4	R
10	...		55	48·97	3		27	8·0	R
12	...		55	50·06	3		27	9·0	R
15	...		55	49·68	3		27	8·2	R
16	...		55	48·23	3		27	8·6	R
459				*Anon.*					
Sep. 4	10·0	18	57	53·49	...	111	20	19·2	R
5	10·0		57	53·58	...		20	19·5	R
8	10·1		57	53·57	...		20	19·9	R
460				17 *Aquilæ ζ*					
Aug. 12	...	18	59	37·20	...	76	19	21·4	M
14	...		59	37·10	...		19	21·4	M
25	...		59	37·11	...		19	21·2	M
26	...		59	37·20	6		19	21·5	M
27	...		59	37·03	6		19	20·6	M
28	...		59	37·06	...		19	20·3	M
29	...		59	37·14	...		19	22·6	M
31	...		59	37·09	...		19	20·3	M
Sep. 3	...		59	37·06	...		19	19·8	R

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Number and Date.	Magnitude.	Mean Right Ascension. 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1874. °	′	″	Observer.
Sep. 7	...	18	59	36·97	...	76	19	20·5	R
14	...		59	37·00	...		19	19·6	R
16	...		59	37·06	...		19	18·0	R
17	...		59	37·01	...		19	18·9	R
461	*Anon.*								
July 2	9·6	19	5	49·47	...	126	27	17·6	R
14	9·5		5	49·54	...		27	19·4	R
462	*Anon.*								
July 15	9·0	19	7	47·65	...	129	46	40·9	R
463	*Anon.*								
July 30	9·4	19	9	0·06	...	129	48	3·5	R
464	*Anon.*								
Sep. 5	9·6	19	9	41·52	...	109	31	46·1	R
14	9·6		9	41·86	...		31	45·7	R
16	9·5		9	41·88	...		31	45·4	R
465	*Anon.*								
Sep. 15	8·2	19	10	3·43	...	129	46	6·3	R
17	8·5		10	3·24	...		46	9·2	R
466	*Anon.*								
Sep. 7	8·1	19	10	54·55	...	146	11	56·4	R
12	8·1		10	54·59	...		11	55·2	R
467	*O. A. S.* 19353.								
July 2	7·3	19	10	56·63	...	116	17	55·8	R
Aug. 29	7·9		10	56·50	4		17	58·2	M
468	*O. A. S.* 19366.								
July 20	8·1	19	11	15·39	...	116	16	0·8	R
469	25 *Aquilæ ω*								
Aug. 8	...	19	11	54·18	...	78	37	49·4	M
24	...		11	54·35	...		37	46·0	M
Aug. 26	...	19	11	54·11	...	78	37	48·1	M
27	...		11	54·06	...		37	47·8	M
28	...		11	54·05	...		37	46·5	M
31	...		11	54·10	...		37	48·0	M
Sep. 2	...		11	54·09	...		37	46·8	R
4	...		11	54·13	...		37	46·3	R
10	...		11	54·09	...		37	48·0	R
19	...		11	54·10	...		37	45·0	R
470	30 *Aquilæ δ*								
July 20	...	19	19	8·65	...	87	8	4·4	R
Aug. 3	...		19	8·60	...		8	6·4	M
14	...		19	8·55	5		8	5·2	M
24	...		19	8·67	...		8	4·3	M
26	...		19	8·65	...		8	5·3	M
27	...		19	8·65	...		8	5·1	M
28	...		19	8·62	...		8	4·3	M
31	...		19	8·72	...		8	6·1	M
Sep. 2	...		19	8·67	...		8	3·7	R
3	...		19	8·70	...		8	2·6	R
4	...		19	8·64	...		8	3·2	R
5	...		19	8·73	...		8	3·6	R
8	...		19	8·62	...		8	4·2	R
10	...		19	8·66	...		8	3·5	R
14	...		19	8·47	...		8	3·8	R
17	...		19	8·57	...		8	2·0	R
471	52 *Sagittarii h²*.								
Aug. 27	...	19	29	2·08	5	115	9	35·8	M
29	...		29	2·13	...		9	35·1	M
Sept. 2	...		29	2·28	...		9	36·3	R
3	...		29	2·10	...		9	34·0	R
5	...		29	2·18	...		9	33·2	R
7	...		29	2·21	...		9	34·3	R
8	...		29	2·21	...		9	33·0	R
14	...		29	2·17	...		9	34·7	R
26	...		29	2·23	...		9	33·8	R
28	...		29	2·17	...		9	33·8	R
472	13 *Cygni θ*								
July 14	...	19	33	3·79	...	40	4	9·7	R
20	...		33	3·89	...		4	10·8	R

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473 *Anon.*									
Aug. 29	9·0	19	35	3·39	6	127	15	43·9	M
474 50 *Aquilæ γ*									
Aug. 11	...	19	40	16·14	...	79	41	31·6	M
Sept. 4	...		40	16·10	...		41	30·8	R
10	...		40	16·18	...		41	30·7	R
16	...		40	16·13	...		41	30·5	R
19	...		40	16·13	...		41	29·1	R
24	...		40	16·16	...		41	31·7	R
26	...		40	16·06	...		41	31·0	R
29	...		40	16·16	...		41	31·9	R
30	...		40	16·09	...		41	31·2	R
Oct. 3	...		40	16·24	...		41	32·7	M
475 *O. A. S.* 19996.									
July 20	9·5	19	42	52·08	...	108	10	34·9	R
Sept. 2	9·5		42	51·70	...		10	35·4	R
476 *S. Vulpeculæ, Var.* 3.									
Aug. 31	8·9	19	43	13·91	...	68	1	37·5	M
477 53 *Aquilæ α, Altair.*									
Aug. 29	...	19	44	37·98	...	81	27	46·0	M
Sept. 12	...		44	38·12	...		27	42·0	R
15	...		44	38·08	...		27	43·0	R
19	...		44	38·12	...		27	43·3	R
21	...		44	38·02	...		27	44·4	R
24	...		44	38·19	...		27	46·2	R
28	...		44	38·14	...		27	44·8	R
30	...		44	38·08	...		27	45·7	R
Oct. 6	...		44	38·22	...		27	46·4	M
478 *Lacaille* 8249.									
July 14	7·5	19	44	43·01	...	122	17	47·3	R
Sept. 3	7·6		44	43·00	...		17	50·0	R
479 55 *Aquilæ η, Var.* 1.									
Aug. 13	4·9	19	46	3·20	...	89	18	59·4	M
21	4·8		46	3·27	...		18	56·8	M
22	...		46	3·26	...		18	57·8	M
Sept. 4	...		46	3·40	...		18	57·5	R
7	...		46	3·46	...		18	56·6	R
14	...		46	3·55	...		18	58·0	R
480 *O. A. S.* 20055.									
Sept. 5	9·0	19	46	54·01	...	107	44	16·9	R
481 60 *Aquilæ β*									
Sept. 12	...	19	49	7·50	...	83	54	22·2	R
15	...		49	7·52	...		54	22·0	R
28	...		49	7·41	...		54	19·7	R
30	...		49	7·52	...		54	23·0	R
Oct. 3	...		49	7·43	...		54	22·6	M
482 *Anon.*									
Sept. 7	8·7	19	50	21·81	...	145	55	17·4	R
483 *O. A. N.* 20046.									
Sept. 4	9·1	20	2	52·55	...	32	21	48·9	R
5	9·2		2	52·67	...		21	49·0	R
7	9·1		2	52·58	...		21	50·5	R
10	9·4		2	52·41	...		21	49·0	R
12	9·2		2	52·60	...		21	45·6	R
14	9·2		2	52·34	...		21	49·3	R
15	9·1		2	52·60	...		21	49·4	R
484 *Anon.*									
July 14	10·0	20	5	50·79	...	74	46	38·0	R
Sept. 16	9·1		5	50·60	...		46	40·2	R
17	9·2		5	50·58	...		46	38·7	R
28	9·3		5	50·44	...		46	40·7	R
Oct. 3	9·5		5	50·66	...		46	39·4	M
5	9·4		5	50·55	6		46	42·6	M
6	9·5		5	50·80	...		46	37·1	M

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485	*R. Sagittarii, Var.* 1.								
Oct. 15	9·3	20	8	19·33	...	73	39	13·1	M
16	9·4		8	19·48	...		39	12·3	M
17	9·4		8	19·50	...		39	12·1	M
19	9·4		8	19·51	...		39	10·8	M
486	*5 Capricorni α*¹								
Aug. 3	...	20	10	39·71	...	102	53	45·4	M
8	...		10	39·64	...		53	44·9	M
14	...		10	39·67	...		53	44·5	M
21	...		10	39·86	...		53	44·6	M
487	*6 Capricorni α*²								
Aug. 29	...	20	11	3·70	...	102	56	2·1	M
Sep. 5	...		11	3·62	...		56	1·1	R
12	...		11	3·58	...		55	59·4	R
15	...		11	3·61	...		56	1·1	R
16	...		11	3·70	...		56	0·2	R
29	...		11	3·65	...		55	59·6	R
Oct. 14	...		11	3·74	...		56	0·2	M
488	*7 Capricorni σ*								
Oct. 7	...	20	12	7·34	...	109	30	36·4	M
8	...		12	7·35	...		30	34·3	M
489	*Anon.*								
Oct. 9	9·3	20	12	38·22	...	88	45	24·8	M
10	9·4		12	38·22	...		45	25·6	M
12	9·3		12	38·17	...		45	27·1	M
13	9·3		12	38·25	...		45	26·3	M
490	*34 Cygni, Var.* 1.								
Aug. 25	5·9	20	13	8·57	...	52	21	28·6	M
31	...		13	8·67	4		21	29·9	M
Sep. 2	...		13	8·50	...		21	30·5	R
4	...		13	8·63	...		21	28·3	R
7	6·0		13	8·58	...		21	28·2	R
10	6·4		13	8·75	...		21	28·2	R
491	*9 Capricorni β*								
July 14	...	20	13	55·68	...	105	10	36·9	R
492	*Anon.*								
Oct. 16	9·2	20	16	17·74	...	106	15	47·0	M
17	9·4		16	17·64	...		15	47·8	M
493	*Anon.*								
Sep. 19	9·0	20	17	28·18	...	121	9	54·6	R
494	*24 Cephei Hev, Var.* 1—*s.p.*								
Feb. 9	...	20	20	30·14	3	1	15	8·5	R
10	...		20	28·79	3		15	9·5	R
Mar. 7	...		20	31·85	3		15	7·2	R
12	...		20	30·83	3		15	8·7	R
13	...		20	31·61	3		15	8·1	R
495	*11 Capricorni ρ*								
Aug. 29	...	20	21	40·31	...	108	13	43·3	M
Sep. 2	...		21	40·16	...		13	40·1	R
7	...		21	40·28	...		13	41·8	R
8	...		21	40·23	...		13	41·0	R
17	...		21	40·37	...		13	40·2	R
Oct. 6	...		21	40·18	...		13	41·7	M
8	...		21	40·30	...		13	38·8	M
12	...		21	40·22	...		13	43·4	M
13	...		21	40·16	...		13	41·7	M
14	...		21	40·26	...		13	41·4	M
19	...		21	40·44	...		13	40·7	M
496	*Anon.*								
July 14	8·5	20	23	53·86	...	124	55	2·3	R
20	8·6		23	54·00	...		55	3·4	R
497	*R. P. L.* 143.								
Sep. 17	...	20	28	17·28	3	5	16	26·4	R
26	...		28	17·45	3		16	25·8	R
Oct. 3	...		28	16·94	3		16	27·1	M

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				R. P. L. 143—*s.p.*					
Feb. 23	...	20	28	17·01	3	5	16	27·0	R
24	...		28	17·28	3		16	26·0	R
Mar. 3	...		28	16·28	3		16	28·6	M
5	...		28	17·12	3		16	28·0	M
6	...		28	16·31	3		16	29·7	M
16	...		28	16·32	3		16	28·5	R
17	...		28	16·68	3		16	26·7	R
498				*Anon.*					
Sep. 5	8·9	20	28	35·70	...	143	14	21·7	R
15	8·9		28	36·04	...		14	23·5	R
499				*Anon.*					
July 14	9·5	20	29	20·32	...	121	4	25·5	R
500				*Anon.*					
July 20	9·0	20	30	30·55	...	148	49	58·4	R
501				*Anon.*					
Sep. 12	9·7	20	31	41·02	...	125	41	33·6	R
16	9·3		31	40·96	...		41	33·8	R
19	9·6		31	40·64	...		41	33·2	R
502				*Anon.*					
July 30	9·6	20	32	9·43	...	124	38	43·6	R
Sep. 2	9·6		32	9·19	...		38	44·8	R
10	9·9		32	9·46	...		38	40·8	R
15	9·5		32	9·28	...		38	44·6	R
503				50 *Cygni a*					
Aug. 15	...	20	37	8·22	...	45	10	9·0	M
Sep. 21	...		37	8·10	...		10	8·7	R
24	...		37	8·12	...		10	8·4	R
29	...		37	8·21	...		10	8·5	R
Oct. 7	...		37	8·24	...		10	8·7	M
8	...		37	8·09	...		10	7·9	M
9	...		37	8·17	...		10	8·8	M
10	...		37	8·19	...		10	7·6	M
Oct. 15	...	20	37	8·18	...	45	10	9·3	M
16	...		37	8·11	...		10	8·6	M
17	...		37	8·11	...		10	6·3	M
21	...		37	8·18	...		10	7·6	M
22	...		37	8·18	...		10	8·1	M
504				*W. B. E.* XX. 935.					
July 20	8·1	20	37	15·43	...	73	20	56·2	R
30	8·0		37	15·34	...		20	56·4	R
Aug. 14	9·0		37	15·42	...		20	56·5	M
18	8·9		37	15·42	4		20	55·4	M
21	...		37	15·57	4		20	55·2	M
505				*T Delphini, Var.* 3.					
Sep. 12	10·5	20	39	31·40	...	74	3	27·9	R
15	10·5		39	31·36	...		3	27·2	R
16	10·5		39	31·30	...		3	27·3	R
506				*W. B. E.* XX. 1024.					
Sep. 2	9·6	20	41	26·51	...	105	22	7·6	R
507				*T Aquarii, Var.* 4.					
Sep. 17	7·2	20	43	17·36	...	95	36	46·4	R
19	9·0		43	17·32	...		36	44·1	R
26	8·0		43	17·28	...		36	45·4	R
Oct. 3	8·0		43	17·53	5		36	46·3	M
6	8·0		43	17·37	...		36	46·5	M
508				32 *Vulpeculæ.*					
Sep. 21	...	20	49	11·47	...	62	25	14·2	R
26	...		49	11·48	...		25	13·4	R
Oct. 10	...		49	11·30	...		25	13·9	M
12	...		49	11·29	...		25	15·6	M
13	...		49	11·51	...		25	15·4	M
14	...		49	11·31	...		25	13·6	M
15	...		49	11·41	...		25	13·2	M
16	...		49	11·37	...		25	13·7	M
17	...		49	11·43	...		25	15·4	M
19	...		49	11·30	...		25	14·1	M

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509	*R Vulpeculæ, Var.* 3.								
Sep. 15	6·6	20	58	46·86	...	66	40	42·1	R
16	7·0		58	46·73	...		40	41·5	R
17	8·0		58	46·74	...		40	39·5	R
19	8·6		58	46·69	...		40	39·7	R
510	*Anon.*								
Sep. 3	9·7	20	59	21·86	...	148	50	18·2	R
511	*Taylor* 9772.								
July 30	8·3	21	1	11·84	...	145	4	52·5	R
512	61 *Cygni—2nd.*								
Aug. 21	...	21	1	16·57	6	51	52	18·1	M
25	...		1	16·56	...		52	16·7	M
Sep. 5	...		1	16·89	...		52	16·9	R
7	...		1	16·72	...		52	17·9	R
10	...		1	16·81	...		52	16·8	R
12	...		1	16·84	...		52	16·9	R
14	...		1	16·61	...		52	16·2	R
513	64 *Cygni* ζ								
Sep. 24	...	21	7	34·84	...	60	17	21·0	R
Oct. 3	...		7	34·32	...		17	20·6	M
5	...		7	34·38	...		17	21·5	M
6	...		7	34·34	...		17	21·7	M
8	...		7	34·44	...		17	18·5	M
9	...		7	34·31	...		17	20·6	M
17	...		7	34·46	...		17	20·7	M
19	...		7	34·32	...		17	19·2	M
21	...		7	34·41	...		17	19·4	M
22	...		7	34·39	...		17	20·0	M
31	...		7	34·39	...		17	21·1	M
Nov. 5	...		7	34·31	...		17	18·9	M
514	*Anon.*								
Sep. 14	10·6	21	8	56·84	...	110	46	40·2	R
15	10·5		8	56·91	...		46	39·9	R
515	*Anon.*								
July 30	9·7	21	14	26·32	...	128	57	47·8	R
516	*T Capricorni, Var.* 3.								
Sep. 2	9·3	21	14	58·87	...	105	37	39·8	R
3	9·0		14	58·87	...		37	40·4	R
10	9·4		14	59·15	...		37	39·6	R
12	9·2		14	59·24	...		37	38·6	R
517	*Anon.*								
Aug. 18	9·2	21	15	38·18	4	130	13	38·6	M
518	*Anon.*								
July 30	9·7	21	23	31·53	...	110	4	51·9	R
519	22 *Aquarii* β								
Sep. 2	...	21	24	55·33	...	96	7	25·0	R
17	...		24	55·38	...		7	25·4	R
21	...		24	55·52	...		7	27·1	R
24	...		24	55·46	...		7	27·1	R
Oct. 7	...		24	55·35	...		7	26·8	M
9	...		24	55·52	...		7	26·9	M
10	...		24	55·50	...		7	27·9	M
12	...		24	55·58	...		7	29·4	M
13	...		24	55·38	...		7	28·7	M
15	...		24	55·42	...		7	27·4	M
16	...		24	55·53	...		7	26·2	M
21	...		24	55·42	...		7	27·3	M
22	...		24	55·45	...		7	26·7	M
28	...		24	55·43	...		7	26·4	M
29	...		24	55·48	...		7	25·7	M
30	...		24	55·41	...		7	26·5	M
31	...		24	55·39	...		7	27·5	M
Nov. 5	...		24	55·38	...		7	25·9	M
520	*Anon.*								
Sep. 12	9·5	21	29	29·15	...	134	1	40·5	R
14	9·6		29	29·11	...		1	42·0	R
15	9·5		29	29·04	...		1	41·4	R
521	*Anon.*								
Sep. 3	10·0	21	35	7·88	...	102	57	22·1	R
4	10·0		35	7·96	6		57	22·7	R
7	10·2		35	7·92	...		57	23·5	R
12	10·0		35	7·90	...		57	24·0	R

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Separate Results of Madras Meridian Circle Observations in 1874.

Number and Date.	Magnitude.	Mean Right Ascension 1874. h. m. s.	No. of Wires.	Mean Polar Distance 1874. ° ′ ″	Observer.
522		*S Cephei, Var.* 3.			
Sep. 15	8·1	21 36 45·28	...	11 56 34·4	R
16	9·0	36 45·09	...	56 34·3	R
17	8·2	36 45·28	...	56 34·1	R
Oct. 6	8·0	36 45·42	5	56 34·6	M
7	8·0	36 44·66	...	56 34·3	M
9	8·3	36 44·62	...	56 34·4	M
523		8 *Pegasi* ε			
Sep. 24	...	21 37 59·87	...	80 42 5·1	R
Oct. 28	...	37 59·70	...	42 4·7	M
29	...	37 59·74	...	42 5·1	M
30	...	37 59·79	...	42 5·3	M
Nov. 2	...	37 59·62	...	42 5·2	R
524		μ *Cephei, Var.* 2.			
Aug. 18	5·9	21 39 39·47	...	31 47 49·7	M
Sep. 2	6·0	39 39·43	...	47 50·4	R
525		*Anon.*			
Nov. 5	10·3	21 41 20·73	4	102 29 42·4	M
526		*Anon.*			
Oct. 10	7·9	21 41 42·23	...	37 16 39·7	M
12	7·9	41 42·38	...	16 41·8	M
527		51 *Capricorni* μ			
Sep. 4	5·1	21 46 25·46	...	104 8 36·3	R
528		16 *Pegasi.*			
Oct. 5	...	21 47 19·80	...	64 40 2·6	M
27	...	47 19·76	...	40 0·4	M
30	...	47 19·88	...	40 1·4	M
Nov. 2	...	47 19·82	...	40 2·2	R
529		34 *Aquarii* α			
Sep. 16	...	21 59 18·64	...	90 55 51·5	R
Oct. 28	...	59 18·81	5	55 51·5	M
Nov. 2	...	59 18·86	...	55 52·2	R
11	...	59 18·62	...	55 52·3	R
530		*Anon.*			
Oct. 29	10·0	22 2 33·95	...	114 56 53·8	M
31	10·0	2 33·98	...	56 53·3	M
Nov. 4	10·0	2 33·85	...	56 50·6	M
531		*Anon.*			
Oct. 3	9·5	22 2 35·22	4	114 51 49·4	M
5	9·4	2 35·25	6	51 50·7	M
7	9·5	2 35·46	...	51 48·8	M
532		*Anon.*			
Obt. 12	9·3	22 3 46·96	...	129 2 26·9	M
13	9·4	3 46·97	...	2 26·3	M
533		*Anon.*			
Sep. 17	9·0	22 3 51·52	...	101 5 59·9	R
534		38 *Aquarii* ϵ^2			
Oct. 10	5·9	22 3 53·33	...	102 11 0·3	M
535		*Lalande* 43402.			
Sep. 2	9·0	22 8 55·07	...	99 1 20·5	R
12	9·1	8 54·95	...	1 19·9	R
15	9·2	8 54·90	...	1 18·4	R
536		43 *Aquarii* θ			
Oct. 5	...	22 10 11·01	6	98 24 36·5	M
Nov. 5	...	10 11·12	..	24 33·0	M
9	...	10 11·05	...	24 34·7	R
10	...	10 11·01	...	24 34·9	R
12	...	10 10·97	...	24 35·3	R
14	...	10 10·97	...	24 34·3	R
537		*Anon.*			
Sep. 2	9·5	22 14 53·09	...	146 31 28·5	R
12	9·6	14 53·01	...	31 26·1	R
538		*Anon.*			
Nov. 11	8·1	22 15 51·13	...	82 44 24·0	R
12	8·0	15 51·01	...	44 24·2	R

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Separate Results of Madras Meridian Circle Observations in 1874.

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
539	*Anon.*								
Sep. 17	10·1	22	16	29·50	...	82	39	35·2	R
21	10·2		16	29·11	...		39	37·4	R
540	*Anon.*								
Sep. 14	9·5	22	19	38·84	...	88	39	50·1	R
16	9·7		19	38·82	...		39	49·7	R
Oct. 12	9·9		19	38·59	...		39	51·2	M
541	*R. P. L.* 150—*s.p.*								
Feb. 20	...	22	23	1·76	5	4	31	39·6	R
21	...		23	0·95	3		31	38·2	R
542	*R. P. L.* 151.								
Sep. 21	...	22	23	27·89	3	4	24	45·5	R
Oct. 16	...		23	28·93	3		24	45·0	M
17	...		23	29·12	2		24	44·9	M
29	...		23	29·24	3		24	46·0	M
31	...		23	27·69	3		24	45·3	M
	R. P. L. 151—*s.p.*								
Feb. 25	...	22	23	28·58	3	4	24	47·0	R
28	...		23	28·79	3		24	45·7	R
Mar. 3	...		23	29·38	3		24	49·9	M
4	...		23	28·96	3		24	49·0	M
6	...		23	29·40	3		24	49·5	M
10	...		23	29·84	3		24	49·4	M
543	*Anon.*								
Sep. 2	9·5	22	25	12·74	6	179	41	36·6	R
17	9·5		25	12·65	...		41	35·1	R
Oct. 9	9·7		25	12·72	...		41	32·9	M
544	*Anon.*								
Oct. 30	9·6	22	25	18·70	...	146	47	32·1	M
Nov. 11	9·8		25	19·00	...		47	29·2	R
12	9·5		25	19·00	...		47	30·7	R
545	*R. P. L.* 153.								
Nov. 4	...	22	28	10·56	3	2	33	32·0	M
	R. P. L. 153—*s.p.*								
Mar. 5	...	22	28	9·80	3	2	33	31·6	M
9	...		28	11·01	2		33	30·3	M
11	...		28	11·02	3		33	33·7	M
14	...		28	10·12	3		33	30·7	R
Apl. 4	...		28	9·60	3		33	33·1	R
6	...		28	9·55	3		33	29·1	R
546	62 *Aquarii η*								
Sep. 10	...	22	28	52·78	...	90	45	57·2	R
Nov. 10	...		28	52·84	...		45	59·2	R
14	...		28	52·70	...		45	58·5	R
17	...		28	52·80	...		45	58·2	R
547	*Anon.*								
Sep. 17	9·0	22	34	53·41	...	155	28	11·3	R
548	42 *Pegasi ζ*								
Oct. 27	...	22	35	10·60	...	79	49	29·6	M
Nov. 3	...		35	10·67	...		49	29·9	R
9	...		35	10·62	...		49	32·0	R
12	...		35	10·58	...		49	33·5	R
13	...		35	10·59	...		49	31·8	R
17	...		35	10·61	...		49	30·9	R
19	...		35	10·67	...		49	33·2	R
21	...		35	10·52	...		49	31·6	R
549	*Anon.*								
Oct. 5	9·0	22	49	42·49	...	152	32	2·2	M
6	9·0		49	42·25	...		32	0·8	M
550	2 *Piscis Australis α, Fomalhaut.*								
Sep. 10	...	22	50	40·93	...	120	17	20·3	R
Oct. 29	...		50	41·03	...		17	21·3	M
31	...		50	41·02	...		17	24·5	M
Nov. 10	...		50	40·90	...		17	22·4	R
19	...		50	41·13	...		17	22·7	R
21	...		50	41·00	...		17	21·5	R

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Separate Results of Madras Meridian Circle Observations in 1874.

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
551 *Anon.*									
Sep. 7	9·0	22	52	21·18	...	85	23	15·6	R
552 *Anon.*									
Oct. 12	9·7	22	57	40·50	...	57	8	51·1	M
13	9·9		57	40·55	...		8	49·3	M
553 54 *Pegasi α, Markab.*									
Oct. 7	...	22	58	29·09	...	75	28	20·5	M
28	...		58	29·06	...		28	19·0	M
Nov. 7	...		58	29·08	...		28	19·9	R
9	...		58	29·01	...		28	19·6	R
11	...		58	29·14	...		28	19·5	R
14	...		58	29·20	...		28	19·0	R
19	...		58	28·73	...		28	16·5	R
20	...		58	29·07	...		28	17·4	R
554 *Lacaille* 9377.									
Oct. 9	7·6	23	2	49·29	...	151	14	47·4	M
555 6 *Piscium γ*									
Nov. 3	...	23	10	37·95	...	87	24	18·4	R
4	...		10	38·01	...		24	20·0	M
7	...		10	37·96	...		24	22·7	R
11	...		10	37·98	...		24	21·1	R
13	...		10	37·93	...		24	18·6	R
27	...		10	37·89	...		24	19·6	R
556 *Anon.*									
Oct. 30	9·6	23	11	41·52	...	151	12	29·3	M
31	9·5		11	41·75	...		12	30·9	M
557 *Anon.*									
Oct. 3	9·3	23	12	7·12	...	131	4	55·6	M
14	9·6		12	6·90	...		4	54·1	M
558 *Anon.*									
Oct. 15	9·5	23	12	10·96	...	129	54	37·3	M
16	9·3		12	10·67	...		54	35·6	M
17	9·3		12	10·77	...		54	37·1	M

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
559 *Anon.*									
Oct. 28	8·8	23	12	41·17	...	137	0	38·2	M
560 *Groombridge* 4040.									
Sep. 12	6·8	23	13	20·11	...	16	59	56·2	R
Oct. 29	6·1		13	20·28	...		59	57·5	M
561 *T Cephei, Var.* 4.									
Nov. 12	8·0	23	14	54·17	...	34	34	32·1	R
13	8·3		14	54·18	...		34	32·5	R
14	8·5		14	54·21	...		34	34·0	R
17	8·6		14	54·14	...		34	32·2	R
19	8·4		14	54·28	...		34	32·7	M
20	8·6		14	54·43	...		34	32·9	R
21	8·3		14	54·46	...		34	32·5	R
25	8·7		14	54·27	...		34	32·7	R
27	...		14	54·28	...		34	34·3	R
562 *Anon.*									
Nov. 3	9·8	23	16	14·61	...	130	36	28·1	R
10	10·2		16	14·62	...		36	27·5	R
11	10·3		16	14·56	...		36	27·9	R
563 *Anon.*									
Nov. 14	10·0	23	18	47·75	...	131	5	10·5	R
17	10·1		18	47·74	...		5	8·1	R
564 *Anon.*									
Nov. 12	9·6	23	20	14·87	...	109	16	3·2	R
565 *Anon.*									
Oct. 31	9·6	23	20	17·38	...	151	34	50·0	M
Nov. 4	9·6		20	17·16	5		34	48·7	M
566 8 *Piscium κ*									
Nov. 7	...	23	20	28·36	...	89	26	3·4	R
20	..		20	28·39	...		26	2·3	R
25	...		20	28·26	...		26	3·1	R
28	...		20	28·40	...		26	0·6	R
Dec. 5	...		20	28·35	3		26	1·9	M
7	...		20	28·41	5		26	1·0	M

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Separate Results of Madras Meridian Circle Observations in 1874.

Number and Date.	Magnitude.	Mean Right Ascension 1874. h.	m.	s.	No. of Wires.	Mean Polar Distance 1874. °	′	″	Observer.
567		*Lacaille* 9514.							
Oct. 5	8·9	23	26	25·28	...	131	32	29·1	M
568		*Anon.*							
Oct. 6	9·0	23	28	13·02	...	108	24	24·0	M
569		17 *Piscium ι*							
Nov. 3	...	23	33	28·14	...	85	3	20·8	R
25	...		33	28·23	...		3	21·5	R
27	...		33	28·09	...		3	22·4	R
28	...		33	28·14	...		3	19·7	R
30	...		33	28·11	...		3	21·0	R
Dec. 2	...		33	28·16	...		3	18·9	R
3	...		33	28·14	...		3	19·1	R
5	...		33	28·18	...		3	22·7	M
7	...		33	28·08	...		3	22·4	M
8	...		33	28·08	...		3	22·7	M
570		35 *Cephei γ*							
Oct. 3	...	23	34	12·08	...	13	4	16·5	M
7	...		34	11·67	...		4	14·3	M
10	...		34	11·53	...		4	15·7	M
13	...		34	11·20	...		4	15·3	M
14	...		34	11·51	...		4	14·5	M
571		*Anon.*							
Oct. 15	9·5	23	34	53·34	...	147	24	8·8	M
572		*Anon.*							
Nov. 12	10·1	23	35	34·69	...	107	45	48·8	R
13	10·2		35	34·81	...		45	47·2	R
20	10·0		35	34·97	...		45	47·7	R
21	10·0		35	34·91	...		45	47·5	R
573		*Anon.*							
Oct. 16	9·5	23	35	43·61	...	107	46	5·1	M
17	9·6		35	43·60	4		46	8·2	M
29	9·7		35	43·63	...		46	5·0	M
30	9·7		35	43·46	...		46	7·7	M
574		*Anon.*							
Nov. 2	9·5	23	35	59·22	...	107	51	7·9	R
4	9·9		35	59·26	...		51	9·0	M
9	10·2		35	59·34	...		51	4·6	R
17	10·1		35	59·42	...		51	6·2	R
575		*Anon.*							
Nov. 11	9·5	23	36	30·64	...	128	6	23·8	R
14	9·6		36	30·46	...		6	20·8	R
576		*δ Sculptoris.*							
Nov. 13	...	23	42	21·61	...	118	49	35·5	R
17	...		42	21·52	...		49	35·5	R
21	...		42	21·63	...		49	35·9	R
27	...		42	21·69	...		49	37·3	R
30	...		42	21·58	...		49	34·7	R
Dec. 2	...		42	21·53	...		49	36·1	R
4	...		42	21·60	...		49	36·3	R
5	...		42	21·59	...		49	37·4	M
7	...		42	21·67	...		49	37·1	M
577		*Anon.*							
Oct. 5	9·2	23	43	14·57	5	150	50	47·0	M
Nov. 3	9·5		43	14·89	...		50	43·3	R
578		*Anon.*							
Sep. 17	9·4	23	43	18·45	...	129	40	27·4	R
579		*Anon.*							
Oct. 16	9·0	23	43	34·20	...	85	18	5·9	M
17	9·0		43	34·11	...		18	7·2	M
19	9·0		43	33·94	4		18	7·7	M
29	9·0		43	34·32	...		18	5·8	M
30	9·0		43	34·03	...		18	5·6	M
580		*Anon.*							
Oct. 10	9·5	23	48	2·79	...	150	42	32·2	M

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Number and Date.	Magnitude.	Mean Right Ascension 1874. h. m. s.	No. of Wires.	Mean Polar Distance 1874. ° ′ ″	Observer.
581	*G. C. Z.* XXIII. 1321.				
Dec. 3	9·3	23 48 29·13	...	150 40 19·6	R
4	9·5	48 29·11	...	40 20·0	R
582	*R Cassiopeiæ, Var.* 3.				
Oct. 6	8·0	23 52 0·96	...	39 18 46·8	M
9	8·5	52 0·83	...	18 47·7	M
12	8·0	52 0·81	...	18 48·5	M
13	8·5	52 0·79	...	18 48·0	M
14	8·9	52 0·75	...	18 45·5	M
29	8·0	52 1·06	...	18 46·9	M
583	*Anon.*				
Sep. 17	8·6	23 52 16·84	...	152 17 15·8	R
584	*Anon.*				
Oct. 31	9·5	23 52 30·75	...	143 12 39·4	M
Nov. 2	9·6	52 30·69	...	12 39·2	R
585	28 *Piscium* ω				
Nov. 12	...	23 52 50·49	...	83 50 3·4	R
30	...	52 50·49	...	50 0·5	R
Dec. 1	...	52 50·53	...	50 1·5	R
4	...	52 50·50	...	50 1·4	R
586	30 *Piscium.*				
Nov. 28	5·0	23 55 29·84	...	96 42 50·4	R
30	...	55 29·79	...	42 51·6	R
Dec. 2	4·8	55 30·02	...	42 50·1	R
3	4·8	55 29·94	...	42 48·1	R
587	*Anon.*				
Nov. 3	9·5	23 56 29·74	...	130 13 40·7	R
588	*Anon.*				
Oct. 7	9·3	23 56 57·13	...	126 40 2·0	M
8	9·4	56 57·26	...	40 0·6	M
589	*Taylor* 10997.				
Nov. 9	9·3	23 58 34·30	...	126 43 9·2	R
590	*Anon.*				
Oct. 3	9·0	23 59 6·15	...	125 49 53·3	M
31	9·2	59 6·27	...	49 53·9	M

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MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1874

REDUCED TO JANUARY 1 OF THAT YEAR

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Mean Positions of Stars for 1874, *January* 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
1	21 Androm. α (*Alpherat*)...	2·1	...	0	1	52·56	61	36	18·3	2	0·90
2	... ...	9·2	1	0	2	23·34	127	26	40·9	1	0·79
3	... ...	9·7	1	0	5	28·90	126	14	44·7	1	0·78
4	88 Pegasi γ (*Algenib*) ...	3·0	...	0	6	44·94	75	31	0·8	4	0·87
5	... ...	9·0	1	0	19	31·75	26	33	17·5	1	0·75
6	12 Ceti	6·2	...	0	23	36·47	94	39	12·5	7	0·90
7	... ...	10·6	4	0	26	34·64	76	11	48·7	4	0·89
8	U Piscium, Var. 4. ...	9·7	5	0	36	40·96	83	22	16·7	5	0·87
9	16 Ceti β	2·1	...	0	37	15·74	108	40	42·4	6	0·94
10	R. P. L. 10	6·6	...	0	49	25·07	1	39	11·7	15	0·55
11	2 Ursæ Minoris	4·5	...	0	51	53·89	4	25	15·4	3	0·42
12	R. P. L. 14	6·2	...	0	55	19·53	3	31	36·7	10	0·82
13	71 Piscium ε	4·5	...	0	56	24·30	82	47	18·9	7	0·95
14	... ...	9·6	3	1	2	3·15	17	33	8·4	3	0·84
15	... ...	9·0	1	1	4	31·19	18	31	38·1	1	0·76
16	S Cassiopeiæ, Var. 4 ...	8·5	9	1	10	25·35	18	3	8·5	9	0·94
17	S Piscium, Var. 2... ...	8·9	8	1	10	59·41	81	43	59·9	10	0·89
18	R. P. L. 18	7·9	...	1	11	25·23	2	5	42·7	9	0·34
19	... ...	9·3	3	1	12	13·14	152	19	22·7	3	0·82
20	... ...	9·1	3	1	12	37·00	152	14	22·8	3	0·86
21	1 Urs. Min. α (*Polaris*) ...	2·2	...	1	12	37·80	1	21	47·8	1	0·28
22	45 Ceti θ[1]	3·8	...	1	17	43·53	98	50	0·8	1	0·95
23	93 Piscium ρ	5·2	...	1	19	27·84	71	29	3·7	2	0·40
24	Lalande 2625	8·5	2	1	20	22·20	79	17	13·4	2	0·77
25	... ...	10·2	2	1	24	30·56	90	8	22·0	2	0·88
26	99 Piscium η	3·7	...	1	24	44·53	75	18	17·7	1	0·95
27	106 Piscium ν	4·7	...	1	34	52·59	85	9	1·3	3	0·93
28	6 Arietis β...	2·8	...	1	47	40·92	69	48	31·0	7	0·95
29	... ...	9·9	2	2	6	24·54	151	21	9·0	2	0·02
30	... ...	10·1	2	2	7	6·39	87	9	40·9	2	0·84
31	67 Ceti	5·5	...	2	10	42·03	97	0	12·8	1	0·93
32	R Ceti, Var. 2	8·0	10	2	19	37·16	90	44	53·3	10	0·05
33	73 Ceti ξ[2]	4·4	...	2	21	27·68	82	6	20·3	3	0·33
34	R. P. L. 26	8·0	...	2	25	5·87	3	30	13·2	6	0·94
35	86 Ceti γ	3·6	...	2	36	46·35	87	17	45·6	17	0·20

5.—Observed for map of Gemma's Nova of 1572.
7.—Observed for map of T Piscium, Var. 3.
10.—Groombridge 144.
12.—Groombridge 195.
14.—15.—Observed for map of S Cassiopeiæ, Var. 4.
18.—Carrington 183.
24.—Comparison star for Asia in 1873.
30.—Comparison star for Camilla in 1868
34.—Carrington 352.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	Secular Variation.	Proper Motion.	In Polar Distance. Annual Precession.	Secular Variation.	Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
1	21 Andromedæ α ...	+ 3·0781	+ 0·0182	+ 0·010	− 20·054	+ 0·013	+ 0·16	3215
2	... ...	+ 3·0616	− 0·0207	...	− 20·053	+ 0·018	...	...
3	... ...	+ 3·0487	− 0·0194	...	− 20·048	+ 0·019	...	...
4	88 Pegasi γ	+ 3·0823	+ 0·0100	− 0·001	− 20·046	+ 0·022	+ 0·01	1
5	... ...	+ 3·2999	+ 0·0710	...	− 19·981	+ 0·049	...	...
6	12 Ceti	+ 3·0610	+ 0·0008	− 0·000	− 19·949	+ 0·055	+ 0·01	38
7	... ...	+ 3·1103	+ 0·0109	...	− 19·920	+ 0·061	...	...
8	U Piscium, Var. 4 ...	+ 3·0971	+ 0·0075	...	− 19·797	+ 0·080	...	...
9	16 Ceti β	+ 2·9991	− 0·0055	+ 0·015	− 19·790	+ 0·080	− 0·03	70
10	R. P. L. 10	+ 12·9828	+ 7·5332	+ 0·061	− 19·590	+ 0·418	+ 0·03	Main
11	2 Ursæ Minoris ...	+ 6·9546	+ 1·3311	+ 0·067	− 19·543	+ 0·236	+ 0·01	92
12	R. P. L. 14	+ 8·2581	+ 2·0616	+ 0·053	− 19·473	+ 0·296	+ 0·02	95
13	71 Piscium ε... ...	+ 3·1134	+ 0·0087	− 0·007	− 19·450	+ 0·119	− 0·04	113
14	... ...	+ 4·2028	+ 0·1622	...	− 19·324	+ 0·171	...	...
15	... ...	+ 4·1805	+ 0·1517	...	− 19·264	+ 0·177	...	...
16	S Cassiopeiæ, Var. 4.	+ 4·3129	+ 0·1682	...	− 19·115	+ 0·199	...	...
17	S Piscium, Var. 2 ...	+ 3·1314	+ 0·0100	...	− 19·100	+ 0·147	...	...
18	R. P. L. 18	+ 14·2773	+ 6·4481	...	− 19·088	+ 0·647	...	...
19	... ...	+ 2·2822	− 0·0202	...	− 19·067	+ 0·111	...	...
20	... ...	+ 2·2810	− 0·0203	...	− 19·057	+ 0·111	...	...
21	1 Urs. Min. α (*Polaris*)	+ 20·5784	+ 14·7475	+ 0·108	− 19·012	+ 0·943	+ 0·00	102
22	45 Ceti θ¹	+ 3·0031	+ 0·0018	− 0·007	− 18·912	+ 0·154	+ 0·20	184
23	93 Piscium ρ	+ 3·2243	+ 0·0163	− 0·006	− 18·862	+ 0·168	− 0·03	185
24	Lalande 2625 ...	+ 3·1591	+ 0·0117	...	− 18·834	+ 0·166	...	...
25	... ...	+ 3·0711	+ 0·0063	...	− 18·706	+ 0·170	...	...
26	99 Piscium η ...	+ 3·1989	+ 0·0141	− 0·000	− 18·699	+ 0·177	+ 0·00	203
27	106 Piscium ν ...	+ 3·1178	+ 0·0091	− 0·003	− 18·361	+ 0·191	− 0·01	228
28	6 Arietis β	+ 3·2948	+ 0·0183	+ 0·005	− 17·881	+ 0·226	+ 0·10	252
29	... ...	+ 1·7897	+ 0·0006	...	− 17·081	+ 0·144	...	...
30	... ...	+ 3·1071	+ 0·0090	...	− 17·048	+ 0·246	...	...
31	67 Ceti	+ 2·9836	+ 0·0049	+ 0·004	− 16·880	+ 0·242	+ 0·11	321
32	R Ceti, Var. 2 ...	+ 3·0620	+ 0·0077	...	− 16·448	+ 0·263	...	...
33	73 Ceti ξ²	+ 3·1795	+ 0·0117	+ 0·001	− 16·355	+ 0·276	+ 0·00	347
34	R. P. L. 26	+ 15·9925	+ 3·7049	...	− 16·168	+ 1·387	...	...
35	86 Ceti γ	+ 3·1121	+ 0·0094	− 0·011	− 15·543	+ 0·294	+ 0·16	383

10.—Proper motions from Main's list.

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Mean Positions of Stars for 1874, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
36	92 Ceti α	2·7	...	2	55	41·57	86	24	20·7	11	0·30
37	57 Arietis δ	4·5	...	3	4	25·59	70	45	6·5	4	0·51
38	33 Persei α	1·9	...	3	15	20·04	40	35	22·2	1	0·06
39	... ...	9·5	1	3	15	46·37	125	39	11·9	1	0·02
40	... ...	9·6	2	3	17	13·97	127	4	49·7	2	0·03
41	... ...	8·8	1	3	17	42·12	130	43	28·4	1	0·04
42	1 Tauri o, Var. 5... ..	5·7	5	3	18	1·95	81	24	57·1	5	0·01
43	... ...	9·4	1	3	21	17·16	54	45	40·9	1	0·08
44	R Persei, Var. 3	8·6	6	3	22	2·21	54	45	54·0	6	0·96
45	B. P. L. 34	5·9	...	3	25	24·30	3	45	17·1	4	0·49
46	... ...	10·2	1	3	33	59·31	128	28	9·9	1	0·02
47	25 Tauri η *(Alcyone)* ..	3·0	...	3	39	59·79	66	17	11·0	11	0·13
48	34 Eridani γ^1	3·0	...	3	52	9·03	103	52	6·0	20	0·04
49	B. P. L. 35...	6·7	...	3	57	42·54	4	46	48·4	1	0·99
50	38 Eridani o^1.	4·1	...	4	5	42·91	97	10	3·8	11	0·06
51	74 Tauri ε...	3·7	...	4	21	15·63	71	6	4·0	10	0·06
52	... ...	10·4	1	4	22	35·77	80	26	47·6	1	0·03
53	87 Tauri α *(Aldebaran)* ...	1·0	...	4	28	41·49	73	44	46·4	10	0·17
54	Lacaille 1551—2nd ...	9·5	1	4	32	20·27	153	5	9·7	1	0·03
55	... ...	9·6	3	4	34	31·97	130	50	21·2	3	0·01
56	... ...	9·9	1	4	34	43·67	153	25	37·2	1	0·04
57	... ...	9·8	2	4	39	19·30	153	14	47·3	2	0·04
58	3 Aurigæ ι...	2·7	...	4	48	47·39	57	2	8·6	17	0·13
59	2 Leporis ε...	3·3	...	5	0	7·61	112	32	30·2	16	0·09
60	13 Aurigæ α *(Capella)* ...	0·2	...	5	7	22·85	44	7	59·0	1	0·06
61	19 Orionis β *(Rigel)* ...	0·3	...	5	8	28·95	98	20	55·3	9	0·11
62	112 Tauri β	1·9	...	5	18	19·71	61	30	5·1	18	0·10
63	... ...	10·1	3	5	20	4·19	129	43	34·8	3	0·03
64	B. P. L. 40...	2·1	...	5	21	50·14	4	52	30·3	1	0·53
65	34 Orionis δ, Var. 1 ...	2·4	...	5	25	34·16	90	23	37·6	2	0·15
66	11 Leporis α	2·7	...	5	27	10·34	107	54	50·6	4	0·13
67	46 Orionis ε	1·8	...	5	29	49·23	91	17	2·5	9	0·11
68	B. P. L. 42..	7·9	...	5	31	55·68	2	41	12·8	10	0·05
69	α Columbæ..	2·7	...	5	35	5·14	124	8	31·6	1	0·98
70	58 Orionis α.	0·9	...	5	48	20·98	82	37	5·7	13	0·20

43.—Observed for map of R Persei, Var. 3.
45.—Groombridge 642.
49.—Groombridge 750.
52.—Observed for map of R Tauri, Var. 2.
54.—56.—57.—Observed for map of R Reticuli, Var. 1.
64.—Groombridge 944.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
36	92 Ceti α	+ 3·1304	+ 0·0098	− 0·003	− 14·444	+ 0·323	+ 0·07	428
37	57 Arietis δ	+ 3·4086	+ 0·0171	+ 0·010	− 13·904	+ 0·364	− 0·01	446
38	33 Persei α	+ 4·2468	+ 0·0483	+ 0·002	− 13·201	+ 0·472	+ 0·03	464
39	... ...	+ 2·3490	+ 0·0012	...	− 13·172	+ 0·264	...	...
40	... ...	+ 2·3061	+ 0·0013	...	− 13·076	+ 0·261	...	...
41	... ...	+ 2·1980	+ 0·0015	...	− 13·044	+ 0·249	...	...
42	1 Tauri o, Var. 5 ...	+ 3·2257	+ 0·0115	− 0·005	− 13·022	+ 0·364	+ 0·07	477
43	... ...	+ 3·7992	+ 0·0279	...	− 12·804	+ 0·431	...	...
44	R Persei, Var. 3 ...	+ 3·8010	+ 0·0278	...	− 12·753	+ 0·432	...	...
45	R. P. L. 34	+ 18·9826	+ 3·2309	+ 0·136	− 12·525	+ 2·168	+ 0·06	Gr.
46	... ...	+ 2·2183	+ 0·0022	...	− 11·930	+ 0·265	...	...
47	25 Tauri η (*Alcyone*)..	+ 3·5532	+ 0·0177	− 0·000	− 11·503	+ 0·430	+ 0·04	521
48	34 Eridani γ¹ ...	+ 2·7922	+ 0·0047	+ 0·003	− 10·617	+ 0·351	+ 0·11	546
49	R. P. L. 35	+ 16·8377	+ 1·8114	+ 0·057	− 10·200	+ 2·117	− 0·05	Gr.
50	38 Eridani ο¹ ...	+ 2·9245	+ 0·0058	− 0·001	− 9·591	+ 0·379	− 0·09	568
51	74 Tauri ε	+ 3·4881	+ 0·0120	+ 0·007	− 8·376	+ 0·466	+ 0·03	609
52	... ...	+ 3·2772	+ 0·0090	...	− 8·270	+ 0·440	...	...
53	87 Tauri α (*Aldebaran*)	+ 3·4314	+ 0·0105	+ 0·004	− 7·781	+ 0·464	+ 0·18	630
54	Lacaille 1551—2nd ..	+ 0·6288	+ 0·0205	...	− 7·486	+ 0·088	...	...
55	... ...	+ 1·9959	+ 0·0040	...	− 7·306	+ 0·274	...	...
56	... ...	+ 0·5817	+ 0·0209	...	− 7·291	+ 0·082	...	...
57	... ...	+ 0·5829	+ 0·0199	...	− 6·914	+ 0·083	...	...
58	3 Aurigæ ι	+ 3·8977	+ 0·0144	+ 0·001	− 6·131	+ 0·544	+ 0·00	677
59	22 Leporis ε	+ 2·5361	+ 0·0033	+ 0·000	− 5·180	+ 0·359	+ 0·07	713
60	13 Aurigæ α (*Capella*)	+ 4·4140	+ 0·0173	+ 0·008	− 4·564	+ 0·629	+ 0·42	722
61	19 Orionis β (*Rigel*)...	+ 2·8809	+ 0·0040	− 0·001	− 4·470	+ 0·412	+ 0·01	736
62	112 Tauri β	+ 3·7861	+ 0·0082	+ 0·001	− 3·626	+ 0·545	+ 0·18	756
63	... ...	+ 1·9780	+ 0·0084	...	− 3·476	+ 0·285	...	...
64	R. P. L. 40	+ 18·5304	+ 0·6397	...	− 3·324	+ 2·667	...	...
65	34 Orionis δ	+ 3·0631	+ 0·0038	− 0·001	− 3·001	+ 0·443	+ 0·01	787
66	11 Leporis α	+ 2·6444	+ 0·0029	− 0·001	− 2·863	+ 0·383	− 0·01	796
67	46 Orionis ε	+ 3·0425	+ 0·0035	− 0·002	− 2·633	+ 0·441	− 0·01	809
68	R. P. L. 42	+ 31·3502	+ 1·4978	...	− 2·445	+ 4·541	...	...
69	α Columbæ	+ 2·1709	+ 0·0027	+ 0·005	− 2·176	+ 0·316	+ 0·03	Stone
70	58 Orionis α	+ 3·2452	+ 0·0027	+ 0·001	− 1·019	+ 0·473	+ 0·02	860

45—49.—Proper motions from *Greenwich Catalogue* 1872.
69.—Proper motions from *Stone's Cape Catalogue*.

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Mean Positions of Stars for 1874, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
71	... ...	10·3	2	5	50	30·27	137	10	12·6	2	0·04
72	... ...	9·6	3	5	52	4·61	140	36	31·4	3	0·03
73	... ...	9·7	1	5	52	29·04	141	46	0·1	1	0·06
74	... ...	9·6	1	5	54	50·49	137	45	18·2	1	0·06
75	... ...	9·5	1	5	55	9·19	121	31	0·1	1	0·01
76	R. P. L. 43	6·6	...	5	56	27·57	3	14	16·7	9	0·31
77	... ...	9·2	3	6	0	13·60	121	34	34·1	3	0·10
78	67 Orionis ν	4·4	...	6	0	22·74	75	13	6·9	6	0·15
79	Lalande 12072—1st ...	7·6	3	6	13	59·77	68	51	27·5	3	0·96
80	13 Geminorum μ	3·2	...	6	15	20·26	67	25	26·6	6	0·29
81	24 Geminorum γ	2·0	...	6	30	26·07	73	29	43·6	1	0·16
82	Bonn +8°. 1429	9·2	5	6	32	22·80	81	7	28·2	5	0·13
83	9 Canis Maj. α (*Sirius*) ...	− 1·4	...	6	39	35·58	106	32	44·5	1	0·16
84	51 Cephei	5·3	...	6	40	44·97	2	45	53·2	2	0·58
85	... ...	8·5	5	6	42	56·63	130	36	59·3	5	0·17
86	21 Canis Majoris ε ...	1·5	...	6	53	40·47	118	48	5·8	1	0·20
87	23 Canis Majoris γ ...	4·1	...	6	58	3·50	105	26	55·0	6	0·18
88	R Canis Min., Var. 1 ...	8·2	1	7	1	46·71	79	46	45·2	1	0·04
89	Bonn +38°. 1778	9·6	4	7	24	5·88	51	58	38·6	4	0·13
90	... ...	10·5	4	7	24	12·18	41	55	53·9	4	0·15
91	Bonn +48°. 1546	9·7	4	7	24	17·51	42	1	59·1	4	0·08
92	66 Gemin. α¹ (*Castor—1st*)	2·0	...	7	26	33·22	57	50	18·7	10	0·21
93	66 Gemin. α² (*Castor—2nd*)	2·8	...	7	26	33·53	57	50	15·1	4	0·17
94	R. P. L. 45	7·2	...	7	27	47·47	1	0	14·9	7	0·35
95	10 Canis Min. α (*Procyon*)	0·5	...	7	32	42·28	84	27	12·3	13	0·18
96	... ...	9·8	2	7	34	39·54	68	10	13·4	2	0·11
97	... ...	10·5	2	7	35	6·84	68	26	14·6	2	0·14
98	... ...	9·9	1	7	35	17·37	68	11	9·6	2	0·12
99	... ...	10·0	2	7	35	46·32	66	17	15·9	2	0·14
100	78 Geminorum β (*Pollux*)	1·1	...	7	37	36·29	61	40	18·6	5	0·17
101	... ...	8·6	1	7	37	53·67	130	59	26·8	1	0·07
102	... ...	10·6	3	7	37	56·94	68	30	58·1	3	0·21
103	... ...	10·4	5	7	38	22·85	68	29	54·1	5	0·20
104	... ...	9·0	1	7	41	53·40	148	9	45·9	1	0·07
105	... ...	9·1	2	7	42	17·20	152	59	21·5	2	0·10

76.—Groombridge 1004.
82.—Observed for map of R Monocerotis, Var. 1.
94.—Groombridge 1119.
99.—Observed for map of S Geminorum, Var. 3.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
71	... ...	+ 1·6311	+ 0·0030	...	− 0·830	+ 0·238	...	...
72	... ...	+ 1·4450	+ 0·0031	...	− 0·693	+ 0·211	...	...
73	... ...	+ 1·3761	+ 0·0031	...	− 0·657	+ 0·201	...	...
74	... ...	+ 1·6006	+ 0·0028	...	− 0·493	+ 0·233	...	...
75	... ...	+ 2·2525	+ 0·0024	...	− 0·424	+ 0·329	...	...
76	R. P. L. 43	+ 26·7016	+ 0·1003	...	− 0·304	+ 3·894	...	...
77	... ...	+ 2·2504	+ 0·0023	...	+ 0·020	+ 0·328	..	...
78	67 Orionis ν	+ 3·4250	+ 0·0017	− 0·000	+ 0·033	+ 0·500	+ 0·01	887
79	Lalande 12072—1st...	+ 3·5882	0·0000	...	+ 1·224	+ 0·522	...	...
80	13 Geminorum μ ...	+ 3·6268	− 0·0003	+ 0·004	+ 1·341	+ 0·527	+ 0·10	929
81	24 Geminorum γ ...	+ 3·4648	− 0·0015	+ 0·002	+ 2·655	+ 0·500	+ 0·04	969
82	Bonn +8°. 1429 ...	+ 3·2789	− 0·0008	...	+ 2·824	+ 0·472	...	...
83	9 Canis Majoris α ...	+ 2·6809	+ 0·0010	− 0·037	+ 3·447	+ 0·384	+ 1·20	994
84	51 Cephei	+ 30·3210	− 2·0620	...	+ 3·547	+ 4·350	...	...
85	... ...	+ 1·9458	+ 0·0013	...	+ 3·736	+ 0·277	...	...
86	21 Canis Majoris ε ...	+ 2·3572	+ 0·0013	− 0·001	+ 4·654	+ 0·332	− 0·02	1023
87	23 Canis Majoris γ ...	+ 2·7145	+ 0·0005	− 0·002	+ 5·026	+ 0·381	+ 0·00	1028
88	R. Can. Min., Var. 1...	+ 3·3046	− 0·0031	...	+ 5·341	+ 0·463	...	...
89	Bonn + 38°. 1778 ...	+ 4·0480	− 0·0165	...	+ 7·196	+ 0·549	...	...
90	... ...	+ 4·4613	− 0·0259	...	+ 7·203	+ 0·604	...	...
91	Bonn +48°. 1546 ...	+ 4·4562	− 0·0256	...	+ 7·210	+ 0·605	...	...
92	66 Geminorum α¹ ...	+ 3·8536	− 0·0133	− 0·015	+ 7·396	+ 0·519	+ 0·08	1087
93	66 Geminorum α² ...	+ 3·8536	− 0·0133	− 0·015	+ 7·396	+ 0·519	+ 0·08	1087
94	R. P. L. 45	+ 73·8239	− 30·0114	− 0·323	+ 7·496	+ 9·983	− 0·01	Gr.
95	10 Canis Minoris α ...	+ 3·1915	− 0·0041	− 0·047	+ 7·893	+ 0·425	+ 1·03	1106
96	... ...	+ 3·5627	− 0·0094	...	+ 8·049	+ 0·473	...	...
97	... ...	+ 3·5558	− 0·0093	...	+ 8·085	+ 0·472	..	...
98	... ...	+ 3·5617	− 0·0095	...	+ 8·100	+ 0·472	...	...
99	... ...	+ 3·6067	− 0·0131	...	+ 8·138	+ 0·479	...	...
100	78 Geminorum β ...	+ 3·7285	− 0·0128	− 0·048	+ 8·285	+ 0·491	+ 0·05	1112
101	... ...	+ 2·0149	+ 0·0008	...	+ 8·308	+ 0·264	...	...
102	... ...	+ 3·5510	− 0·0095	...	+ 8·311	+ 0·468	...	...
103	... ...	+ 3·5513	− 0·0097	...	+ 8·346	+ 0·467	...	...
104	... ...	+ 1·1283	− 0·0078	...	+ 8·626	+ 0·145	...	...
105	... ...	+ 0·7064	− 0·0158	...	+ 8·656	+ 0·089	...	...

94.—Proper motions from *Greenwich Catalogue* 1872.

Mean Positions of Stars for 1874, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
106	R. P. L. 49	6·7	...	7	46	28·66	5	35	10·5	11	0·63
107	Brisbane 1791	8·4	1	7	46	32·69	144	26	9·4	1	0·17
108	... ...	9·0	5	7	50	4·73	130	23	34·0	5	0·20
109	... ...	8·6	4	7	50	47·33	129	24	13·8	4	0·19
110	... ...	9·5	4	7	51	47·95	151	38	28·9	4	0·23
111	Lacaille 3082	7·7	4	7	52	3·60	130	24	4·8	4	0·23
112	... ...	10·0	1	7	52	17·84	151	42	5·0	1	0·22
113	... ...	8·4	2	7	53	8·35	144	43	16·9	2	0·08
114	6 Cancri	5·0	...	7	55	46·64	61	51	16·5	2	0·18
115	... ...	10·0	1	8	0	42·78	78	29	30·5	1	0·15
116	... ...	9·2	3	8	1	40·61	69	5	42·4	3	0·10
117	... ...	10·0	1	8	1	59·55	69	14	46·3	1	0·11
118	15 Argûs	2·9	...	8	2	10·62	113	56	32·7	7	0·20
119	... ...	9·3	1	8	11	2·28	77	39	35·2	1	0·08
120	... ...	9·5	2	8	13	18·60	130	47	24·7	2	0·13
121	... ...	9·3	1	8	13	41·75	131	43	0·1	1	0·15
122	... ...	9·6	4	8	13	48·12	131	44	51·3	4	0·22
123	33 Cancri η	5·5	...	8	25	25·23	69	7	56·8	7	0·21
124	... ...	9·9	3	8	26	11·58	61	49	42·4	3	0·11
125	... ...	9·0	1	8	29	22·18	70	42	41·6	1	0·14
126	Taylor 3710	8·0	1	8	31	41·68	141	23	7·6	1	0·15
127	11 Hydræ ε	3·6	...	8	40	6·15	83	7	12·4	13	0·21
128	R. P. L. 60	7·0	...	8	48	40·68	5	19	8·2	5	0·46
129	... ...	8·7	1	8	54	19·21	132	57	54·4	1	0·17
130	82 Cancri π²	7·2	1	9	8	16·60	74	32	16·6	1	0·16
131	... ...	9·6	2	9	11	28·23	70	43	15·2	2	0·12
132	83 Cancri	6·6	...	9	11	56·80	71	45	42·6	6	0·23
133	... ...	9·8	1	9	13	29·76	70	34	39·7	1	0·13
134	... ...	9·4	3	9	16	38·50	139	3	32·7	3	0·14
135	... ...	7·8	1	9	20	2·21	75	9	3·8	1	0·11
136	... ...	8·7	1	9	20	8·68	125	23	44·2	1	0·14
137	... ...	8·4	2	9	20	46·07	137	30	30·3	2	0·15
138	... ...	8·4	1	9	20	51·93	125	25	31·8	1	0·16
139	... ...	9·0	1	9	21	0·19	158	40	48·1	1	0·16
140	30 Hydræ α, Var. 2 ...	2·0	...	9	21	23·67	98	6	48·1	11	0·25

106.—Groombridge 1359.
124.—Comparison star for Isis in 1870.
125.—Observed for map of U Cancri, Var. 4.
128.—Carrington 1286.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	Secular Variation.	Proper Motion.	In Polar Distance. Annual Precession.	Secular Variation.	Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
106	R. P. L. 49	+ 15·2928	− 1·2342	...	+ 8·986	+ 1·900	...	...
107	Brisbane 1791 ...	+ 1·4007	− 0·0043	...	+ 8·991	+ 0·179	...	...
108	... ...	+ 2·0632	+ 0·0010	...	+ 9·266	+ 0·263	...	...
109	... ...	+ 2·0996	+ 0·0011	...	+ 9·321	+ 0·267	...	...
110	... ...	+ 0·8843	− 0·0135	...	+ 9·399	+ 0·110	...	...
111	Lacaille 3082 ...	+ 2·0676	+ 0·0010	...	+ 9·420	+ 0·262	...	...
112	... ...	+ 0·8812	− 0·0137	...	+ 9·438	+ 0·109	...	...
113	... ...	+ 1·4091	− 0·0044	...	+ 9·503	+ 0·177	...	...
114	6 Cancri	+ 3·6980	− 0·0148	− 0·003	+ 9·705	+ 0·468	+ 0·04	1149
115	... ...	+ 3·3072	− 0·0074	...	+ 10·081	+ 0·413	...	...
116	... ...	+ 3·5125	− 0·0114	...	+ 10·154	+ 0·438	...	...
117	... ...	+ 3·5087	− 0·0114	...	+ 10·178	+ 0·437	...	...
118	15 Argûs	+ 2·5609	+ 0·0009	− 0·008	+ 10·192	+ 0·318	− 0·06	1170
119	... ...	+ 3·3183	− 0·0082	...	+ 10·851	+ 0·403	...	...
120	... ...	+ 2·1084	+ 0·0013	...	+ 11·018	+ 0·252	...	...
121	... ...	+ 2·0774	+ 0·0015	...	+ 11·046	+ 0·248	...	...
122	... ...	+ 2·0767	+ 0·0015	...	+ 11·055	+ 0·248	...	...
123	33 Cancri η	+ 3·4826	− 0·0129	− 0·004	+ 11·888	+ 0·404	+ 0·05	1207
124	... ...	+ 3·6474	− 0·0176	...	+ 11·943	+ 0·423	...	...
125	... ...	+ 3·4442	− 0·0124	...	+ 12·165	+ 0·395	...	...
126	Taylor 3710	+ 1·7519	− 0·0006	...	+ 12·326	+ 0·197	...	...
127	11 Hydræ ε	+ 3·1957	− 0·0071	− 0·014	+ 12·397	+ 0·351	+ 0·02	1243
128	R. P. L. 60	+ 13·7156	− 1·7166	...	+ 13·463	+ 1·476	...	...
129	... ...	+ 2·1702	+ 0·0037	...	+ 13·824	+ 0·224	...	...
130	82 Cancri π²	+ 3·3242	− 0·0117	− 0·003	+ 14·683	+ 0·325	− 0·02	1304
131	... ...	+ 3·3859	− 0·0140	...	+ 14·872	+ 0·326	...	...
132	83 Cancri	+ 3·3670	− 0·0134	− 0·009	+ 14·900	+ 0·323	+ 0·14	1309
133	... .	+ 3·3853	− 0·0142	...	+ 14·991	+ 0·322	...	...
134	... ...	+ 2·0643	+ 0·0048	...	+ 15·171	+ 0·190	...	...
135	... ...	+ 3·3001	− 0·0116	...	+ 15·364	+ 0·303	...	...
136	... ...	+ 2·4620	+ 0·0056	...	+ 15·371	+ 0·224	...	...
137	... ...	+ 2·1379	+ 0·0057	...	+ 15·405	+ 0·193	...	...
138	... ...	+ 2·4637	+ 0·0057	...	+ 15·412	+ 0·223	...	...
139	... ...	+ 0·8818	− 0·0285	...	+ 15·419	+ 0·076	...	...
140	30 Hydræ α, Var. 2 ...	+ 2·9505	− 0·0013	− 0·002	+ 15·441	+ 0·268	− 0·05	1330

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Mean Positions of Stars for 1874, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
141	25 Ursæ Majoris θ ...	3·2	...	9	24	25·20	37	44	56·5	2	0·17
142	... ...	9·4	1	9	24	29·78	158	43	22·8	1	0·14
143	R. P. L. 69	7·9	...	9	36	5·04	2	49	30·8	8	0·62
144	17 Leonis ε	3·1	...	9	38	41·77	65	38	49·3	10	0·25
145	... ...	9·5	1	9	44	28·23	148	32	41·0	1	0·14
146	R. P. L. 70	5·0	...	9	48	6·29	5	28	39·2	4	0·78
147	... ...	9·8	1	9	48	50·71	152	10	28·6	1	0·20
148	W. B. N. IX. 1020... ...	9·0	1	9	49	0·54	71	51	41·7	1	0·15
149	W. B. N. IX. 1047... ...	8·9	2	9	50	5·64	72	20	46·0	2	0·11
150	... ...	9·7	6	9	51	8·64	72	33	32·1	7	0·18
151	... ...	9·6	1	9	52	48·97	72	4	26·6	1	0·14
152	29 Leonis π	5·0	...	9	53	33·24	81	21	7·8	7	0·27
153	W. B. N. IX. 1160... ...	9·0	4	9	55	39·62	73	20	32·8	4	0·15
154	... ...	10·1	5	9	55	41·20	72	20	51·3	5	0·22
155	... ...	9·9	1	9	56	23·40	130	0	17·2	1	0·16
156	W. B. N. IX. 1189... ...	9·7	4	9	57	0·32	73	10	31·5	4	0·18
157	... ...	9·0	1	9	58	8·66	145	35	55·7	1	0·24
158	W. B. N. IX. 1230... ...	9·6	4	9	58	25·70	72	55	24·3	4	0·22
159	... ...	8·9	2	9	58	30·55	143	56	59·6	2	0·19
160	14 Sextantis	7·0	3	10	0	12·15	83	46	28·4	3	0·16
161	W. B. N. IX. 1282... ...	9·0	1	10	0	51·41	73	6	31·4	1	0·14
162	32 Leonis α (*Regulus*) ...	1·4	...	10	1	39·59	77	25	4·2	8	0·29
163	33 Leonis	8·5	1	10	3	53·69	73	40	30·1	1	0·16
164	R. P. L. 72...	6·0	...	10	10	59·32	5	6	35·3	3	0·14
165	41 Leonis γ^1	2·5	...	10	13	1·35	69	31	18·8	7	0·27
166	47 Leonis ρ	4·0	...	10	26	10·51	80	2	42·7	5	0·30
167	53 Leonis *l*	5·3	...	10	42	38·00	78	47	17·7	8	0·29
168	... ...	9·9	1	10	42	54·40	75	7	59·5	1	0·17
169	... ...	8·6	1	10	43	1·98	141	7	37·5	1	0·17
170	... ...	10·1	3	10	47	59·00	148	51	45·3	2	0·32
171	R Crateris, Var. 1 ...	9·0	2	10	54	21·69	107	38	56·8	2	0·21
172	... ...	9·1	1	10	54	31·66	107	41	27·6	1	0·20
173	R. P. L. 79	7·7	...	10	58	4·46	1	40	36·0	6	0·40
174	63 Leonis χ	4·7	...	10	58	31·00	81	58	59·2	5	0·27
175	Taylor 5092	8·7	2	11	5	45·24	143	52	29·6	2	0·17

143.—Carrington 1418.
146.—Carrington 1451.
148—149—150—151—153—154—156—158—161.—Comparison stars for Mars in 1869.
160.—Comparison star for Ariadne in 1873.
164.—Groombridge 1620.
170.—Observed for map of η Argûs.
172.—Observed for map of R Crateris, Var. 1.
173.—Groombridge 1689.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
141	25 Ursæ Majoris θ ...	+ 4·1564	− 0·0561	− 0·104	+ 15·608	+ 0·374	+ 0·56	1332
142	... ...	+ 0·9175	− 0·0275	...	+ 15·612	+ 0·077	...	...
143	R. P. L. 69	+ 18·9881	− 5·5751	...	+ 16·229	+ 1·620	...	...
144	17 Leonis ε	+ 3·4221	− 0·0180	− 0·004	+ 16·362	+ 0·282	+ 0·01	1368
145	... ...	+ 1·8538	+ 0·0047	...	+ 16·649	+ 0·144	...	...
146	R. P. L. 70	+ 10·6602	− 1·5648	...	+ 16·824	+ 0·839	...	...
147	... ...	+ 1·7006	+ 0·0017	...	+ 16·860	+ 0·128	...	...
148	W. B. N. IX. 1020 ...	+ 3·3092	− 0·0187	...	+ 16·867	+ 0·255	...	...
149	W. B. N. IX. 1047 ...	+ 3·3007	− 0·0183	...	+ 16·918	+ 0·251	...	...
150	... ...	+ 3·2961	− 0·0181	...	+ 16·967	+ 0·250	...	...
151	... ...	+ 3·3001	− 0·0184	...	+ 17·045	+ 0·247	...	...
152	29 Leonis π	+ 3·1788	− 0·0080	− 0·004	+ 17·079	+ 0·236	+ 0·01	1398
153	W. B. N. IX. 1160 ...	+ 3·2787	− 0·0127	...	+ 17·175	+ 0·240	...	...
154	... ...	+ 3·2918	− 0·0182	...	+ 17·176	+ 0·241	...	...
155	... ...	+ 2·4960	+ 0·0097	...	+ 17·207	+ 0·180	...	...
156	W. B. N. IX. 1189 ...	+ 3·2789	− 0·0127	...	+ 17·235	+ 0·238	...	...
157	... ...	+ 2·0824	+ 0·0099	...	+ 17·285	+ 0·147	...	...
158	W. B. N. IX. 1230 ...	+ 3·2800	− 0·0129	...	+ 17·298	+ 0·235	...	...
159	... ...	+ 2·1435	+ 0·0105	...	+ 17·302	+ 0·151	...	...
160	14 Sextantis	+ 3·1449	− 0·0066	− 0·005	+ 17·377	+ 0·222	− 0·02	1404
161	W. B. N. IX. 1282 ...	+ 3·2789	− 0·0127	...	+ 17·405	+ 0·231	...	...
162	32 Leonis α	+ 3·2195	− 0·0102	− 0·018	+ 17·440	+ 0·225	− 0·02	1406
163	33 Leonis	+ 3·2622	− 0·0123	+ 0·005	+ 17·536	+ 0·223	+ 0·01	Gr.
164	R. P. L. 72	+ 9·9189	− 1·6270	− 0·096	+ 17·828	+ 0·655	− 0·04	1399
165	41 Leonis γ^1	+ 3·2968	− 0·0148	+ 0·021	+ 17·909	+ 0·208	+ 0·14	1432
166	47 Leonis ρ	+ 3·1656	− 0·0080	− 0·001	+ 18·397	+ 0·176	− 0·01	1467
167	53 Leonis l	+ 3·1600	− 0·0080	− 0·002	+ 18·923	+ 0·145	+ 0·02	1500
168	... ...	+ 3·1894	− 0·0104	...	+ 18·931	+ 0·147	...	...
169	... ...	+ 2·5257	+ 0·0205	...	+ 18·934	+ 0·114	...	...
170	... ...	+ 2·3882	+ 0·0245	...	+ 19·072	+ 0·100	...	...
171	R Crateris, Var. 1 ...	+ 2·9522	+ 0·0068	...	+ 19·238	+ 0·114	...	...
172	... ...	+ 2·9521	+ 0·0069	...	+ 19·242	+ 0·114	..	...
173	R. P. L. 79	+ 15·2624	− 8·7944	...	+ 19·327	+ 0·586	...	...
174	63 Leonis χ	+ 3·1221	− 0·0056	− 0·036	+ 19·337	+ 0·113	+ 0·02	1535
175	Taylor 5092	+ 2·6427	+ 0·0276	...	+ 19·495	+ 0·083	...	...

163.—Proper motions from *Greenwich Catalogue* 1872.

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Mean Positions of Stars for 1874, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
176	... ...	9·9	1	11	6	12·26	83	53	41·3	1	0·20
177	68 Leonis δ	2·8	...	11	7	24·26	68	47	11·2	3	0·30
178	73 Leonis n	5·5	...	11	9	16·27	76	0	19·6	4	0·18
179	... ...	9·9	1	11	9	55·24	145	58	31·1	1	0·19
180	... ...	9·7	2	11	10	59·48	141	11	51·5	2	0·20
181	12 Crateris δ	3·9	...	11	13	2·54	104	5	49·3	2	0·30
182	... ...	9·2	...	11	23	39·72	142	55	53·4	1	0·18
183	Cordoba 15790	8·7	2	11	27	4·05	151	7	23·0	2	0·19
184	... ...	9·9	2	11	27	10·80	151	44	51·0	2	0·20
185	... ...	10·0	1	11	27	14·88	23	20	52·6	1	0·20
186	... ...	9·1	2	11	27	31·91	23	0	49·5	3	0·21
187	94 Leonis β	2·2	...	11	42	37·86	74	48	24·9	1	0·38
188	Bonn +5°. 2550	9·8	2	11	44	38·10	84	48	9·5	2	0·19
189	Groombridge 1830. ...	7·8	4	11	45	42·94	51	22	39·9	5	0·23
190	64 Ursæ Majoris γ ...	2·6	...	11	47	11·82	35	36	15·1	1	0·26
191	Bonn +4°. 2550	10·1	3	11	51	3·99	85	22	40·4	3	0·25
192	R. P. L. 87...	8·0	...	11	52	57·24	2	18	14·6	7	0·40
193	Bonn +3°. 2592	9·0	1	11	57	47·71	86	23	41·0	1	0·19
194	R. P. L. 89...	6·3	...	11	58	23·62	3	42	54·2	1	0·83
195	W. B. E. XI. 986	9·0	1	11	58	38·45	85	55	18·8	1	0·20
196	9 Virginis o..	4·3	...	11	58	47·56	80	34	1·3	3	0·24
197	2 Corvi ε	3·1	...	12	3	38·85	111	55	7·4	5	0·35
198	... ...	9·0	1	12	4	9·47	146	0	24·0	1	0·20
199	... ...	9·0	...	12	4	20·93	145	59	43·4	1	0·20
200	... ...	9·1	4	12	6	38·53	110	2	10·2	4	0·25
201	... ...	9·0	3	12	6	59·96	150	29	40·0	3	0·30
202	... ...	9·5	3	12	6	59·99	142	54	2·3	3	0·28
203	R. P. L. 90...	7·7	...	12	7	18·70	2	22	1·7	12	0·71
204	... ...	9·4	1	12	8	8·16	90	17	34·9	2	0·20
205	69 Ursæ Majoris δ ...	3·4	...	12	9	11·03	32	16	2·6	1	0·30
206	... ...	9·8	3	12	9	25·63	97	16	44·6	3	0·38
207	Lalande 22983	8·5	2	12	9	37·78	96	45	57·2	2	0·27
208	Lalande 22993	8·6	1	12	9	53·60	96	49	51·7	1	0·21
209	W. B. E. XII. 139.. .	9·2	3	12	10	41·15	87	35	14·2	3	0·33
210	W. B. E. XII. 155... ...	8·4	3	12	11	31·02	87	43	27·1	3	0·25

185.—Comparison star for Comet in 1861.
188—191—193—195—209—210.—Comparison stars for Mars in 1871.
194.—Groombridge 1850.
200.—Comparison star for Julia 1873.
203.—Carrington 1816.
206—207—208.—Comparison stars for Ariadne in 1870.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
176	... ...	+ 3·1055	− 0·0043	...	+ 19·504	+ 0·098	...	...
177	68 Leonis δ	+ 3·1902	− 0·0132	+ 0·010	+ 19·529	+ 0·098	+ 0·12	1546
178	73 Leonis n	+ 3·1452	− 0·0049	− 0·002	+ 19·566	+ 0·043	+ 0·02	1550
179	... ...	+ 2·6430	+ 0·0304	...	+ 19·577	+ 0·076	...	...
180	... ...	+ 2·7194	+ 0·0273	...	+ 19·597	+ 0·077	...	...
181	12 Crateris δ... ...	+ 3·0039	+ 0·0064	− 0·011	+ 19·635	+ 0·081	− 0·21	1557
182	... ...	+ 2·7928	+ 0·0318	...	+ 19·803	+ 0·056	...	...
183	Cordoba 15790 ...	+ 2·7251	+ 0·0415	...	+ 19·847	+ 0·049	...	...
184	... ...	+ 2·7171	+ 0·0425	...	+ 19·849	+ 0·048	...	...
185	... ...	+ 3·5133	− 0·0889	...	+ 19·850	+ 0·065	...	...
186	... ...	+ 3·5166	− 0·0899	...	+ 19·854	+ 0·063	...	...
187	94 Leonis β	+ 3·0999	− 0·0074	— 0·036	+ 19·997	+ 0·025	+ 0·10	1605
188	Bonn +5°. 2550 ...	+ 3·0803	− 0·0017	...	+ 20·010	+ 0·021	...	...
189	Groombridge 1830 ...	+ 3·1387	− 0·0237	+ 0·346	+ 20·016	+ 0·019	+ 5·78	Gr.
190	64 Ursæ Majoris γ ...	+ 3·1764	− 0·0433	+ 0·010	+ 20·024	+ 0·017	− 0·01	1608
191	Bonn +4°. 2550 ...	+ 3·0764	− 0·0016	...	+ 20·039	+ 0·008	...	...
192	R. P. L. 87	+ 4·0935	− 1·2344	...	+ 20·045	+ 0·009	...	...
193	Bonn +3°. 2592 ...	+ 3·0730	− 0·0001	...	+ 20·054	+ 0·005	...	...
194	R. P. L. 89	+ 3·2165	− 0·5016	...	+ 20·054	− 0·006	...	...
195	W. B. E. XI. 986 ...	+ 3·0728	− 0·0003	...	+ 20·054	+ 0·006	...	...
196	9 Virginis o	+ 3·0733	− 0·0032	− 0·016	+ 20·054	− 0·007	− 0·05	1623
197	2 Corvi ε	+ 3·0808	+ 0·0142	− 0·006	+ 20·052	− 0·016	− 0·02	1626
198	... ...	+ 3·1082	+ 0·0473	...	+ 20·051	− 0·016	...	...
199	... ...	+ 3·1098	+ 0·0474	...	+ 20·050	− 0·017	...	...
200	... ...	+ 3·0863	+ 0·0132	...	+ 20·046	− 0·022	...	...
201	... ...	+ 3·1444	+ 0·0574	...	+ 20·046	− 0·022	...	...
202	... ...	+ 3·1263	+ 0·0430	...	+ 20·046	− 0·022	...	...
203	R. P. L. 90	+ 2·0406	− 0·2343	...	+ 20·044	− 0·018	...	...
204	... ...	+ 3·0725	+ 0·0024	...	+ 20·041	− 0·024	...	...
205	69 Ursæ Majoris δ ...	+ 2·9875	− 0·0425	+ 0·013	+ 20·038	− 0·026	− 0·00	1637
206	... ...	+ 3·0791	+ 0·0062	...	+ 20·038	− 0·027	...	...
207	Lalande 22983 ...	+ 3·0788	+ 0·0059	...	+ 20·037	− 0·027	...	...
208	Lalande 22993 ...	+ 3·0790	+ 0·0061	...	+ 20·036	− 0·028	...	...
209	W. B. E. XII. 139 ..	+ 3·0696	+ 0·0012	...	+ 20·032	− 0·030	...	...
210	W. B. E. XII. 155 ...	+ 3·0695	+ 0·0014	...	+ 20·029	− 0·032	...	...

189.—Proper motions from *Greenwich Catalogue* 1872.

Mean Positions of Stars for 1874, *January* 1*st.*

Number	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
211	13 Virginis	6·2	1	12	12	12·58	90	5	10·6	1	0·28
212	... ...	8·7	2	12	13	24·71	108	34	27·4	2	0·25
213	15 Virginis η	4·0	...	12	13	27·57	89	57	57·2	4	0·37
214	.. ..	10·0	...	12	19	11·35	143	33	27·2	1	0·20
215	α Crucis—1st	1·0	...	12	19	35·59	152	23	57·3	1	0·27
216	... ...	9·2	...	12	20	24·32	124	17	27·9	1	0·21
217	O. A. S. 12164	8·1	5	12	20	29·48	111	41	34·5	5	0·30
218	... ...	8·0	1	12	21	39·41	145	45	37·5	1	0·22
219	... ...	9·4	3	12	24	25·12	91	43	9·9	3	0·23
220	... ...	10·0	1	12	25	8·37	151	48	19·0	2	0·26
221	... ...	9·7	4	12	27	44·61	38	3	43·5	4	0·28
222	9 Corvi β	2·8	...	12	27	46·23	112	41	57·7	4	0·39
223	... ...	9·0	2	12	28	22·24	140	58	52·4	2	0·23
224	... ...	9·0	1	12	33	22·52	143	10	40·6	1	0·21
225	29 Virginis γ² (*S.*) ...	3·5	...	12	35	16·66	90	45	31·5	4	0·27
226	29 Virginis γ¹ (*N.*) ...	3·5	...	12	35	16·99	90	45	32·0	1	0·22
227	R. P. L. 98...	6·6	...	12	48	5·91	5	53	50·6	16	0·51
228	R. P. L. 99	5·6	...	12	48	15·83	5	54	7·3	1	0·92
229	12 Canum Venaticorum α...	3·1	...	12	50	7·88	51	0	2·2	2	0·44
230	51 Virginis θ	4·4	...	13	3	25·62	94	51	56·9	10	0·41
231	R. P. L. 101	7·5	...	13	8	38·52	1	40	29·2	7	0·34
232	67 Virginis α (*Spica*) ...	1·2	...	13	18	33·34	100	30	10·6	9	0·42
233	Stone 7365	7·8	...	13	19	37·94	143	29	53·3	2	0·27
234	Lacaille 5546	9·0	2	13	20	17·93	143	30	37·1	2	0·29
235	... ...	9·5	2	13	22	22·35	112	31	4·3	2	0·25
236	x Virginis, Var. 10 ...	6·1	9	13	27	58·66	102	34	2·0	10	0·29
237	79 Virginis ζ	3·5	...	13	28	16·46	89	57	2·5	6	0·41
238	Taylor 6294	6·3	5	13	29	46·99	135	47	0·9	5	0·35
239	... ...	8·1	4	13	33	27·39	137	40	45·6	5	0·32
240	... ...	7·6	5	13	35	13·81	136	21	12·2	5	0·30
241	... ...	9·4	4	13	35	17·08	136	43	11·0	5	0·31
242	Bonn +0°. 3090	9·5	1	13	35	30·31	89	28	38·7	1	0·24
243	Bonn +0°. 3091	10·2	2	13	36	28·14	89	38	1·3	2	0·40
244	... ...	9·3	1	13	37	9·69	144	41	22·5	1	0·38
245	Taylor 6363	8·1	1	13	37	17·93	147	36	30·4	1	0·38

217.—Comparison star for Danaë in 1874.
219.—Comparison star for Hestia in 1868.
227.—Groombridge 1937.
228.—Groombridge 1940.
231.—Groombridge 2006.
235.—Observed for map of R Hydræ, Var. 1.
238—239—240—241.—Comparison stars for Comet in 1873.
242—243.—Comparison stars for Isis in 1871.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
211	13 Virginis	+ 3·0723	+ 0·0026	− 0·000	+ 20·026	− 0·032	+ 0·03	1643
212	... ...	+ 3·0985	+ 0·0128	...	+ 20·020	− 0·035	...	...
213	15 Virginis η	+ 3·0722	+ 0·0027	− 0·006	+ 20·019	− 0·035	+ 0·02	1647
214	... ...	+ 3·2236	+ 0·0464	...	+ 19·984	− 0·047	...	...
215	α Crucis—1st ...	+ 3·2905	+ 0·0680	− 0·006	+ 19·982	− 0·050	+ 0·04	Stone
216	... ...	+ 3·1533	+ 0·0244	...	+ 19·974	− 0·049	...	...
217	O. A. S. 12164 ...	+ 3·1196	+ 0·0152	...	+ 19·974	− 0·050	...	...
218	... ...	+ 3·2576	+ 0·0518	...	+ 19·964	− 0·053	...	...
219	... ...	+ 3·0764	+ 0·0042	...	+ 19·940	− 0·057	...	...
220	... ...	+ 3·3451	+ 0·0685	...	+ 19·934	− 0·063	...	...
221	... ...	+ 2·8660	− 0·0293	...	+ 19·908	− 0·059	...	...
222	9 Corvi β	+ 3·1397	+ 0·0164	− 0·003	+ 19·908	− 0·064	+ 0·05	1685
223	... ...	+ 3·2760	+ 0·0447	...	+ 19·901	− 0·067	...	...
224	... ...	+ 3·3314	+ 0·0496	...	+ 19·842	− 0·079	...	...
225	29 Virginis γ^2 (*S.*) ...	+ 3·0749	+ 0·0043	− 0·039	+ 19·818	− 0·078	− 0·02	1698-9
226	29 Virginis γ^1 (*N.*) ...	+ 3·0749	+ 0·0043	− 0·039	+ 19·818	− 0·078	− 0·02	1698-9
227	R. P. L. 98	+ 0·3757	+ 0·2194	− 0·017	+ 19·615	− 0·019	− 0·02	1730
228	R. P. L. 99	+ 0·3687	+ 0·2205	− 0·020	+ 19·611	− 0·019	− 0·02	1731
229	12 Can. Venat. α ...	+ 2·8373	− 0·0152	− 0·022	+ 19·577	− 0·098	− 0·07	1725
230	51 Virginis θ ...	+ 3·1033	+ 0·0078	− 0·004	+ 19·291	− 0·132	+ 0·04	1747
231	R. P. L. 101	− 10·4203	+ 7·6084	...	+ 19·162	+ 0·440	...	...
232	67 Virginis α ...	+ 3·1555	+ 0·0116	− 0·004	+ 18·888	− 0·163	+ 0·02	1774
233	Stone 7365	+ 3·6875	+ 0·0587	...	+ 18·856	− 0·190	...	...
234	Lacaille 5546 ...	+ 3·6927	+ 0·0589	...	+ 18·836	− 0·192	...	...
235	... ...	+ 3·2672	+ 0·0191	...	+ 18·773	− 0·175	...	...
236	x Virginis, Var. 10 ...	+ 3·1838	+ 0·0130	...	+ 18·595	− 0·182	...	...
237	79 Virginis ζ ...	+ 3·0717	+ 0·0064	− 0·021	+ 18·586	− 0·176	− 0·06	1789
238	Taylor 6294	+ 3·5968	+ 0·0443	...	+ 18·535	− 0·208	...	...
239	... ...	+ 3·6544	+ 0·0478	...	+ 18·410	− 0·219	...	...
240	... ...	+ 3·6379	+ 0·0457	...	+ 18·348	− 0·212	...	...
241	... ...	+ 3·6455	+ 0·0463	...	+ 18·346	− 0·223	...	...
242	Bonn +0°. 3090 ...	+ 3·0672	+ 0·0065	...	+ 18·338	− 0·189	...	...
243	Bonn +0°. 3091 ...	+ 3·0687	+ 0·0065	...	+ 18·304	− 0·191	...	...
244	... .	+ 3·8488	+ 0·0642	...	+ 18·279	− 0·237	...	...
245	Taylor 6363	+ 3·9403	+ 0·0733	...	+ 18·274	− 0·243	...	...

215.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1874, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
246	Lacaille 5661	7·8	2	13	37	40·39	138	9	32·9	2	0·44
247	... ...	9·7	2	13	38	4·94	123	51	7·4	2	0·33
248	... ...	8·9	1	13	39	15·83	152	49	4·0	1	0·26
249	... ...	8·7	1	13	39	44·34	138	53	10·9	1	0·30
250	... ...	8·1	3	13	40	0·70	138	32	0·0	3	0·30
251	... ... 2nd Star...	10·0	2	13	46	6·72	128	26	11·6	2	0·27
252	X Virginis, Var. 5.. ...	9·0	1	13	47	44·83	78	18	54·6	1	0·27
253	Taylor 6473	7·7	...	13	48	21·85	97	26	16·2	1	0·24
254	8 Bootis η	2·9	...	13	48	41·13	70	58	10·7	14	0·41
255	... ...	10·2	1	13	52	1·33	108	33	34·7	1	0·26
256	... ...	9·6	3	13	53	1·59	128	4	22·5	3	0·27
257	β Centauri	1·0	...	13	54	56·87	149	45	50·1	3	0·42
258	W. B. E. XIII. 1023 ...	8·3	7	13	59	6·42	102	5	55·4	7	0·28
259	W. B. E. XIII. 1070 ...	8·4	7	14	1	38·68	101	57	55.4	7	0·33
260	R. P. L. 108.	7·8	...	14	2	38·54	3	38	20·0	6	0·57
261	... ...	9·4	4	14	3	3·95	101	48	18·0	4	0·40
262	Bootis, Var. 4	9·2	3	14	4	51·11	79	35	22·1	3	0·28
263	... .	9·2	7	14	6	45·98	102	20	59·2	8	0·33
264	16 Bootis α (*Arcturus*) ...	0·0	...	14	9	54·92	70	9	38·9	5	0·43
265	... ...	8·3	4	14	10	28·45	128	17	59·3	4	0·30
266	... ...	9·4	2	14	13	9·33	136	52	40·9	2	0·27
267	W. B. E. XIV. 240 ...	9·1	5	14	15	2·27	102	36	17·9	5	0·27
268	... ...	9·0	1	14	15	54·90	122	14	21·7	1	0·28
269	W. B. E. XIV. 280.. ...	8·1	4	14	16	54·10	102	24	22·5	5	0·38
270	Lacaille 5926	9·1	1	14	17	15·01	119	2	45·0	1	0·29
271	Taylor 6721	7·2	1	14	17	54·46	101	5	46·2	1	0·31
272	... ...	10·2	2	14	18	0·79	123	16	10·3	2	0·42
273	W. B. E. XIV. 315 ...	6·8	8	14	18	28·32	102	46	54·8	8	0·40
274	W. B. E. XIV. 360 ...	7·9	8	14	20	55·53	102	47	28·9	9	0·33
275	W. B. E. XIV. 392 ...	9·1	5	14	22	44·44	103	15	36·2	6	0·37
276	W. B. E. XIV. 410 ...	9·1	3	14	23	55·34	103	2	36·9	3	0·28
277	25 Bootis ρ	3·6	...	14	26	23·97	59	4	29·4	2	0·45
278	W. B. E. XIV. 458 ...	9·5	5	14	26	42·00	103	31	11·2	5	0·27
279	O. A. N. 14652 ...	8·6	1	14	27	9·79	20	9	42·2	1	0·43
280	... ...	9·6	3	14	27	19·77	123	22	42·4	3	0·41

246—249—250.—Comparison stars for Comet in 1873.

255.—Comparison star for Thisbe in 1870.

258—259—263—267—269—273—274—275—276—278.—Comparison stars for Mars in 1873.

265.—Comparison star for Ægle in 1874.

279.—Comparison star for Comet 2, 1862.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley
		s	s	s	"	"	"	
246	Lacaille 5661 ...	+ 3·6894	+ 0·0491	...	+ 18·256	− 0·231	...	...
247	... ...	+ 3·4444	+ 0·0292	...	+ 18·246	− 0·215	...	...
248	... ...	+ 3·1649	+ 0·0964	...	+ 18·203	− 0·261	...	...
249	... ...	+ 3·7180	+ 0·0507	...	+ 18·131	− 0·237	...	...
250	... ...	+ 3·7116	+ 0·0500	...	+ 18·175	− 0·237	...	...
251	... 2nd Star...	+ 3·5461	+ 0·0346	...	+ 17·943	− 0·238	...	...
252	X Virginis, Var. 5 ...	+ 2·9470	+ 0·0022	...	+ 17·879	− 0·202	...	...
253	Taylor 6473	+ 3·1528	+ 0·0109	...	+ 17·854	− 0·217	...	...
254	8 Bootis η	+ 2·8616	− 0·0006	− 0·005	+ 17·841	− 0·199	+ 0·34	1821
255	... ...	+ 3·2830	+ 0·0173	...	+ 17·706	− 0·232	...	...
256	... ...	+ 3·5681	+ 0·0343	...	+ 17·664	− 0·258	...	...
257	β Centauri	+ 4·1751	+ 0·0841	− 0·010	+ 17·584	− 0·301	+ 0·05	Stone
258	W. B. E. XIII. 1023..	+ 3·2145	+ 0·0135	...	+ 17·407	− 0·240	...	...
259	W. B. E. XIII. 1070..	+ 3·2156	+ 0·0134	...	+ 17·295	− 0·245	...	...
260	R. P. L. 108 ...	− 7·6485	+ 2·4276	...	+ 17·251	+ 0·562	...	...
261	... ...	+ 3·2151	+ 0·0134	...	+ 17·232	− 0·247	...	...
262	Bootis, Var. 4 ...	+ 2·9450	+ 0·0035	...	+ 17·151	− 0·229	...	...
263	... ...	+ 3·2260	+ 0·0137	...	+ 17·065	− 0·254	...	...
264	16 Bootis α (*Arcturus*)	+ 2·8131	+ 0·0004	− 0·080	+ 16·917	− 0·227	+ 1·98	1847
265	... ...	+ 3·6413	+ 0·0349	...	+ 16·892	− 0·293	...	...
266	... .	+ 3·8557	+ 0·0477	...	+ 16·764	− 0·314	...	...
267	W. B. E. XIV. 240 ...	+ 3·2383	+ 0·0139	...	+ 16·673	− 0·270	...	...
268	... ...	+ 3·5436	+ 0·0281	...	+ 16·630	− 0·294	...	...
269	W. B. E. XIV. 280 ...	+ 3·2376	+ 0·0138	...	+ 16·582	− 0·273	...	...
270	Lacaille 5926 ...	+ 3·4908	+ 0·0252	...	+ 16·565	− 0·293	...	...
271	Taylor 6721	+ 3·2207	+ 0·0132	...	+ 16·532	− 0·272	...	...
272	... .	+ 3·5691	+ 0·0292	...	+ 16·527	− 0·301	...	...
273	W. B. E. XIV. 315 ...	+ 3·2445	+ 0·0141	...	+ 16·504	− 0·276	...	...
274	W. B. E. XIV. 360 ...	+ 3·2473	+ 0·0140	...	+ 16·381	− 0·280	...	...
275	W. B. E. XIV. 392 ...	+ 3·2562	− 0·0144	...	+ 16·289	− 0·284	...	...
276	W. B. E. XIV. 410 ...	+ 3·2542	+ 0·0143	...	+ 16·228	− 0·286	...	...
277	25 Bootis ρ	+ 2·5946	− 0·0015	− 0·009	+ 16·100	− 0·233	− 0·13	1869
278	W. B. E. XIV. 458 ...	+ 3·2642	+ 0·0145	...	+ 16·084	− 0·291	...	...
279	O. A. N. 14652 ...	+ 0·8913	+ 0·0366	...	+ 16·060	− 0·084	...	...
280	... ...	+ 3·6002	+ 0·0291	...	+ 16·051	− 0·321	...	...

257.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1874, *January 1st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
281	W. B. E. XIV. 512 ...	9·0	2	14	29	26·75	103	28	35·4	2	0·29
282	R Bootis, Var. 1	8·0	1	14	31	38·81	62	42	56·2	2	0·27
283	... ...	10·0	1	14	35	17·79	61	58	39·7	1	0·24
284	... ...	9·4	3	14	37	16·11	150	19	57·3	3	0·27
285	36 Bootis ϵ^2 (*Mirac*) ...	2·6	...	14	39	29·07	62	23	37·1	13	0·43
286	... ...	9·0	1	14	43	2·61	129	9	22·2	1	0·24
287	8 Libræ α^1	5·3	...	14	43	43·01	105	28	18·1	2	0·26
288	9 Libræ α^2	3·0	...	14	43	54·57	105	31	1·9	3	0·47
289	... ...	8·1	2	14	46	1·81	101	51	52·4	2	0·37
290	13 Libræ ζ^1	5·9	...	14	47	32·43	101	22	55·6	3	0·30
291	... ...	9·8	2	14	48	16·70	150	43	26·9	2	0·39
292	... ...	9·2	2	14	51	1·72	130	34	39·9	2	0·39
293	... ...	9·1	3	14	51	42·71	39	22	4·5	3	0·29
294	... ...	9·0	2	14	52	12·28	123	15	11·6	2	0·26
295	Taylor 6991	5·5	1	14	52	12·28	39	51	20·2	2	0·40
296	O. A. N. 14999	9·0	3	14	53	52·61	41	27	51·1	3	0·37
297	O. A. N. 15004	7·9	1	14	54	12·44	39	23	27·8	1	0·29
298	19 Libræ δ, Var. 4 ...	5·6	4	14	54	14·60	98	1	3·9	5	0·44
299	... ...	8·5	...	14	58	21·26	131	33	6·3	1	0·27
300	43 Bootis ψ	4·5	...	14	59	2·85	62	33	35·2	3	0·51
301	47 Bootis *k*	5·6	...	15	1	15·42	41	21	40·7	4	0·33
302	... ...	8·9	3	15	1	30·32	97	24	42·4	3	0·31
303	... ... 2nd star...	8·8	2	15	4	10·88	122	21	3·1	2	0·24
304	O. A. N. 15138	9·0	1	15	4	27·85	43	2	22·8	2	0·45
305	R. P. L. 111	7·0	...	15	4	34·29	5	33	45·5	4	0·27
306	W. B. E. XV. 86	9·2	1	15	7	3·72	98	4	9·5	1	0·27
307	... ...	8·6	3	15	7	18·50	98	17	37·4	5	0·43
308	... ...	8·9	2	15	7	22·10	130	28	46·1	2	0·50
309	27 Libræ β	2·7	...	15	10	13·68	98	54	59·3	9	0·44
310	Redhill 2293	8·0	...	15	13	24·12	4	23	19·1	4	0·06
311	... ...	9·0	1	15	14	49·56	123	9	44·2	1	0·27
312	Lacaille 6354	9·0	3	15	15	38·41	124	17	23·3	3	0·32
313	S Coronæ Borealis, Var. 2.	7·0	6	15	16	15·97	58	10	42·9	7	0·43
314	W. B. E. XV. 290 ...	8·3	3	15	17	33·90	102	27	25·1	4	0·44
315	... ...	9·1	3	15	17	43·42	130	5	48·4	3	0·53

281.—Comparison star for Mars in 1871.
283.—Observed for map of R Bootis, Var. 1.
293—295—296—301—304.—Comparison stars for Comet 2, 1861.
302—306—307—314.—Comparison stars for Comet 2, 1867.
305.—Groombridge 2213.
316.—Groombridge 2283.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
281	W. B. E. XIV. 512 ...	+ 3·2667	+ 0·0145	...	+ 15·940	− 0·296	...	...
282	R Bootis, Var. 1 ...	+ 2·6486	− 0·0004	...	+ 15·822	− 0·244	...	...
283	... ...	+ 2·6262	− 0·0004	...	+ 15·624	− 0·247	...	...
284	... ...	+ 4·5594	+ 0·0674	...	+ 15·515	− 0·426	...	...
285	36 Bootis ϵ^2	+ 2·6204	− 0·0001	− 0·004	+ 15·393	− 0·252	− 0·00	1890
286	... ...	+ 3·7832	+ 0·0350	...	+ 15·190	− 0·366	...	...
287	8 Libræ α^1	+ 3·3146	+ 0·0154	− 0·010	+ 15·152	− 0·328	+ 0·09	1893
288	9 Libræ α^2	+ 3·3156	+ 0·0154	− 0·009	+ 15·140	− 0·324	+ 0·07	1894
289	... ...	+ 3·2583	+ 0·0125	...	+ 15·018	− 0·321	...	...
290	13 Bootis ζ^1	+ 3·2519	+ 0·0132	− 0·006	+ 14·930	− 0·322	+ 0·01	1901
291	... ...	+ 4·6700	+ 0·0883	...	+ 14·888	− 0·460	...	...
292	... ...	+ 3·8497	+ 0·0363	...	+ 14·724	− 0·386	...	...
293	... ...	+ 1·9624	+ 0·0914	...	+ 14·684	− 0·201	...	...
294	... ...	+ 3·6707	+ 0·0280	...	+ 14·655	− 0·370	...	...
295	Taylor 6991	+ 1·9790	+ 0·0013	...	+ 14·655	− 0·203	...	...
296	O. A. N. 14999 ...	+ 2·0313	+ 0·0008	...	+ 14·555	− 0·209	...	...
297	O. A. N. 15004 ...	+ 1·9505	+ 0·0017	...	+ 14·534	− 0·202	...	...
298	19 Libræ δ, Var. 4 ...	+ 3·2020	+ 0·0116	− 0·006	+ 14·583	− 0·328	+ 0·01	1911
299	... ...	+ 3·9041	+ 0·0371	...	+ 14·282	− 0·405	...	...
300	43 Bootis ψ	+ 2·5834	+ 0·0010	− 0·015	+ 14·240	− 0·271	+ 0·01	1922
301	47 Bootis k	+ 1·9927	+ 0·0018	− 0·008	+ 14·102	− 0·212	− 0·01	1925
302	... ...	+ 3·1960	+ 0·0112	...	+ 14·088	− 0·337	...	...
303	... 2nd Star...	+ 3·6818	+ 0·0264	...	+ 13·920	− 0·392	...	...
304	O. A. N. 15138 ...	+ 2·0405	+ 0·0015	...	+ 13·902	− 0·220	...	...
305	R. P. L. 111	− 6·8268	+ 1·1695	...	+ 13·895	+ 0·712	...	...
306	W. B. E. XV. 86 ...	+ 3·2103	+ 0·0114	...	+ 13·738	− 0·347	...	...
307	... ...	+ 3·2143	+ 0·0115	...	+ 13·721	− 0·348	...	...
308	... ...	+ 3·9046	+ 0·0349	...	+ 13·717	− 0·420	...	...
309	27 Libræ β	+ 3·2270	+ 0·0117	− 0·008	+ 13·534	− 0·358	+ 0·02	1934
310	Redhill 2298... ...	− 9·9451	+ 1·9461	...	+ 13·328	+ 1·076	...	...
311	... ...	+ 3·7286	+ 0·0264	...	+ 13·234	− 0·414	...	...
312	Lacaille 6354 ...	+ 3·7594	+ 0·0274	...	+ 13·180	− 0·418	...	...
313	S Cor. Bor., Var. 2 ...	+ 2·4455	+ 0·0014	...	+ 13·139	− 0·275	...	...
314	W. B. E. XV. 290 ...	+ 3·2965	+ 0·0134	...	+ 13·054	− 0·371	...	...
315	... ...	+ 3·9274	+ 0·0334	...	+ 13·042	− 0·440	...	...

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Mean Positions of Stars for 1874, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
316	R. P. L. 114.	6·9	...	15	18	37·54	2	17	12·8	1	0·08
317	W. B. E. XV. 319 ...	9·1	2	15	18	44·32	102	25	25·8	2	0·30
318	... ...	9·1	2	15	22	19·50	129	28	7·0	2	0·36
319	... ...	8·6	1	15	23	2·41	125	12	16·4	1	0·27
320	... ...	9·6	3	15	25	12·83	130	11	1·4	3	0·36
321	Lacaille 6421	8·0	1	15	26	16·54	122	44	37·8	1	0·29
322	Lalande 28320	8·2	3	15	27	2·71	103	48	11·0	4	0·38
323	5 Coronæ Borealis α ...	2·4	...	15	29	21·19	62	51	34·9	7	0·51
324	... ...	10·0	3	15	29	49·51	119	42	26·7	3	0·52
325	... ...	9·5	1	15	30	49·34	129	35	29·5	1	0·27
326	W. B. E. XV. 557 ...	7·5	2	15	30	58·40	104	6	48·2	3	0·41
327	W. B. E. XV. 564 ...	7·1	3	15	31	27·59	104	5	56·0	3	0·36
328	43 Libræ κ	5·0	...	15	34	41·25	109	16	6·4	3	0·40
329	... ...	8·6	3	15	35	30·31	129	3	23·7	3	0·47
330	24 Serpentis α	2·7	...	15	38	3·76	83	10	33·5	5	0·47
331	O. A. S. 14840	8·5	2	15	38	20·01	114	19	5·0	3	0·40
332	... ...	8·1	5	15	38	20·30	125	29	2·3	5	0·51
333	O. A. S. 14841	9·0	3	15	38	24·30	114	9	40·7	3	0·51
334	O. A. S. 14874	9·2	1	15	40	1·65	104	50	32·4	1	0·38
335	Lacaille 6524	5·9	1	15	41	20·12	144	40	8·4	1	0·48
336	... ...	9·7	2	15	42	43·30	104	26	15·6	2	0·45
337	R Coronæ Borealis, Var. 1.	6·4	5	15	43	22·90	61	27	20·4	5	0·45
338	... ...	9·5	1	15	44	31·56	104	23	23·8	1	0·27
339	36 Serpentis *b*	5·2	...	15	44	42·35	92	42	27·0	1	0·39
340	W. B. E XV. 861... ...	9·5	2	15	46	5·07	101	27	17·5	2	0·54
341	Radcliffe 3462	8·3	1	15	46	41·05	47	3	20·7	1	0·50
342	R. P. L. 115	7·0	...	15	46	55·66	4	45	46·9	6	0·64
343	O. A. S. 14996	9·5	2	15	47	3·82	105	17	19·0	2	0·47
344	Lalande 28970	8·4	1	15	48	24·91	70	50	55·6	1	0·38
345	O. A. S. 15053	8·3	1	15	49	36·13	105	27	43·3	1	0·43
346	W. B. E. XV. 923... ...	9·2	1	15	49	51·75	104	57	49·2	1	0·50
347	... ...	9·0	2	15	49	58·14	104	0	46·7	2	0·49
348	Lalande 29054	8·7	...	15	51	3·98	104	5	26·7	1	0·39
349	4 Herculis...	5·7	...	15	51	16·16	47	3	59·0	2	0·45
350	7 Scorpii δ	2·5	...	15	52	53·20	112	15	40·3	1	0·39

316.—Groombridge 2283.
317—322—326—327.—Comparison stars for Comet 2, 1867.
331.—Comparison star for Iphigenia in 1873.
332.—Comparison star for Thyra in 1874.
334—336—338—343—345—346.—Comparison stars for Asia in 1861.
335.—Comparison star for Niobe in 1874.
339.—Comparison star for Donati's comet in 1858.
340—347—348.—Comparison stars for Sappho in 1871.
342.—Carrington 2380.
344.—Comparison star for Comet 2, 1862.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
316	R. P. L. 114	− 22·4431	+ 7·5794	...	+ 12·983	+ 2·490	...	...
317	W. B. E. XV. 319 ...	+ 3·2963	+ 0·0131	...	+ 12·976	− 0·373	...	...
318	... ...	+ 3·9227	+ 0·0322	...	+ 12·734	− 0·445	...	...
319	... ...	+ 3·8029	+ 0·0276	...	+ 12·685	− 0·434	...	...
320	... ...	+ 3·9535	+ 0·0327	...	+ 12·538	− 0·454	...	...
321	Lacaille 6421 ...	+ 3·7458	+ 0·0252	...	+ 12·466	− 0·433	...	...
322	Lalande 28320 ...	+ 3·3302	+ 0·0134	...	+ 12·418	− 0·387	...	...
323	5 Coronæ Borealis α ..	+ 2·5297	+ 0·0023	+ 0·009	+ 12·253	− 0·297	+ 0·09	1973
324	... ...	+ 3·6771	+ 0·0224	...	+ 12·219	− 0·429	...	...
325	... ...	+ 3·9518	+ 0·0314	...	+ 12·151	− 0·463	...	...
326	W. B. E. XV. 557 ...	+ 3·3398	+ 0·0134	...	+ 12·141	− 0·393	...	...
327	W. B. E. XV. 564 ...	+ 3·3399	+ 0·0134	...	+ 12·107	− 0·394	...	...
328	43 Libræ κ	+ 3·4488	+ 0·0157	− 0·005	+ 11·880	− 0·409	+ 0·10	1981
329	... ...	+ 3·9485	+ 0·0302	...	+ 11·822	− 0·471	...	...
330	24 Serpentis α ...	+ 2·9419	+ 0·0062	+ 0·008	+ 11·642	− 0·354	− 0·06	1990
331	O. A. S. 14840 ...	+ 3·5646	+ 0·0182	...	+ 11·622	− 0·429	...	...
332	... ...	+ 3·8489	+ 0·0264	...	+ 11·622	− 0·463	...	...
333	O. A. S. 14841 ...	+ 3·5612	+ 0·0181	...	+ 11·617	− 0·428	...	...
334	O. A. S. 14874 ...	+ 3·3626	+ 0·0133	...	+ 11·501	− 0·405	...	...
335	Lacaille 6524 ...	+ 4·6233	+ 0·0555	...	+ 11·408	− 0·560	...	...
336	... ...	+ 3·3565	+ 0·0130	...	+ 11·306	− 0·409	...	...
337	R Cor. Bor., Var. 1 ...	+ 2·4705	+ 0·0026	...	+ 11·259	− 0·303	...	...
338	... ...	+ 3·3571	+ 0·0129	...	+ 11·176	− 0·411	...	...
339	36 Serpentis b ...	+ 3·1248	+ 0·0087	− 0·008	+ 11·162	− 0·395	+ 0·02	2004
340	W. B. E. XV. 861 ...	+ 3·2982	+ 0·0116	...	+ 11·063	− 0·406	...	...
341	Radcliffe 3462 ...	+ 2·0326	+ 0·0033	...	+ 11·019	− 0·252	...	...
342	R. P. L. 115	− 10·3234	+ 1·5323	...	+ 11·001	+ 1·254	...	...
343	O. A. S. 14996 ...	+ 3·3779	+ 0·0131	...	+ 10·991	− 0·416	...	...
344	Lalande 28970 ...	+ 2·6825	+ 0·0039	...	+ 10·892	− 0·333	...	...
345	O. A. S. 15053 ...	+ 3·3838	+ 0·0131	...	+ 10·805	− 0·420	...	...
346	W. B. E. XV. 923 ...	+ 3·3735	+ 0·0128	...	+ 10·786	− 0·419	...	...
347	... ...	+ 3·3536	+ 0·0125	...	+ 10·778	− 0·417	...	...
348	Lalande 29054 ...	+ 3·3561	+ 0·0125	...	+ 10·697	− 0·418	...	...
349	4 Herculis	+ 2·0195	+ 0·0035	− 0·001	+ 10·682	− 0·254	+ 0·01	2028
350	7 Scorpii δ	+ 3·5376	+ 0·0159	− 0·002	+ 10·562	− 0·443	+ 0·03	2024

Mean Positions of Stars for 1874, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
351	49 Libræ	5·6	1	15	53	15·71	106	9	36·0	1	0·50
352	Taylor 7439	8·8	1	15	55	6·12	126	46	50·6	1	0·38
353	O. A. S. 15146	9·0	2	15	55	21·45	107	30	32·2	2	0·53
354	W. B. E. XV. 1047 ...	8·1	1	15	56	27·34	91	17	49·1	1	0·50
355	51 Scorpii ξ	4·1	...	15	57	26·40	101	1	26·7	1	0·39
356	8 Scorpii β¹	3·0	...	15	58	6·73	109	27	29·8	10	0·47
357	9 Scorpii ω¹	4·1	...	15	59	26·36	110	19	34·2	3	0·44
358	O. A. S. 15237	8·5	1	15	59	53·29	106	36	3·5	2	0·40
359	Lalande 29306	8·7	1	16	0	0·52	107	35	40·8	1	0·43
360	11 Scorpii...	5·6	...	16	0	36·78	102	24	15·9	5	0·55
361	R. P. L. 116	7·0	...	16	2	38·32	4	20	26·8	3	0·04
362	Lalande 29414	8·0	3	16	2	52·47	102	33	7·4	3	0·58
363	W. B. E. XVI. 83... ...	8·3	1	16	6	36·53	102	43	39·0	2	0·39
364	O. A. S. 15412	9·1	2	16	6	52·58	106	4	41·6	2	0·51
365	O. A. S. 15416	7·9	3	16	7	4·43	110	47	5·9	3	0·48
366	O. A. S. 15418	9·0	2	16	7	5·06	106	13	6·5	2	0·56
367	1 Ophiuchi δ	2·8	...	16	7	44·60	93	22	5·2	9	0·53
368	... ...	10·1	1	16	10	19·02	112	35	1·7	1	0·50
369	... ...	10·5	1	16	12	59·08	107	38	15·4	2	0·39
370	... ...	8·0	1	16	15	1·23	146	12	35·1	1	0·38
371	... ...	9·5	3	16	16	26·50	128	9	6·9	3	0·52
372	... ...	9·2	1	16	16	37·05	152	18	33·2	1	0·62
373	... ...	10·0	1	16	17	10·50	107	27	3·3	1	0·50
374	O. A. S. 15606	9·1	2	16	17	26·30	107	15	56·8	2	0·50
375	O. A. S. 15613	7·8	2	16	17	51·04	113	10	2·7	2	0·43
376	5 Ophiuchi ρ	7·1	4	16	18	1·83	113	9	17·7	4	0·46
377	Taylor 7621	9·0	3	16	18	2·09	113	6	45·0	3	0·56
378	... ...	9·0	3	16	18	40·13	129	32	2·5	3	0·61
379	7 Ophiuchi χ	5·0	...	16	19	43·44	108	10	6·0	3	0·40
380	21 Scorpii α (*Antares*) ...	1·1	...	16	21	41·04	116	8	59·8	6	0·55
381	Lalande 30042	8·8	1	16	23	4·23	48	28	11·5	1	0·38
382	8 Ophiuchi φ	4·4	...	16	23	55·63	106	20	7·4	2	0·46
383	30 Herculis g	5·1	...	16	24	29·74	47	50	26·3	1	0·61
384	... ...	9·5	2	16	27	5·43	130	56	9·7	2	0·40
385	13 Ophiuchi ζ	2·8	...	16	30	13·19	100	18	36·4	2	0·40

351.—Comparison star for Asia in 1861.
353—358—359—369—373.—Comparison stars for Sylvia in 1866.
354—360—365—381.—Comparison stars for Comet 2, 1862.
361.—Carrington 2423.
362—364—366.—Comparison stars for Sappho in 1864.
368.—Observed for map of R. S. T. Scorpii, Vars.
374.—Observed for map of U Scorpii, Var. 4.
375—376—377.—Comparison stars for Angelina in 1866.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
351	49 Libræ	+ 3·4019	+ 0·0131	− 0·047	+ 10·533	− 0·427	+ 0·37	2026
352	Taylor 7439	+ 3·9310	+ 0·0761	...	+ 10·396	− 0·493	...	...
353	O. A. S. 15146 ...	+ 3·4331	+ 0·0135	...	+ 10·377	− 0·432	...	...
354	W. B. E. XV. 1047 ...	+ 3·0983	+ 0·0079	...	+ 10·295	− 0·392	...	...
355	51 Scorpii ξ	+ 3·2964	+ 0·0109	− 0·007	+ 10·220	− 0·417	+ 0·02	2033
356	8 Scorpii β¹	+ 3·4793	+ 0·0142	− 0·003	+ 10·169	− 0·441	+ 0·03	2034
357	9 Scorpii ω¹	+ 3·5005	+ 0·0106	− 0·003	+ 10·069	− 0·446	+ 0·02	2039
358	O. A. S. 15237 ...	+ 3·4173	+ 0·0129	...	+ 10·035	− 0·435	...	...
359	Lalande 29306 ...	+ 3·4394	+ 0·0132	...	+ 10·026	− 0·438	...	...
360	11 Scorpii	+ 3·3272	+ 0·0112	− 0·005	+ 9·981	− 0·425	+ 0·03	2042
361	R. P. L. 116	− 12·2821	+ 1·7488	...	+ 9·827	+ 1·558	...	...
362	Lalande 29414 ...	+ 3·3318	+ 0·0111	...	+ 9·808	− 0·428	...	...
363	W. B. E. XVI. 83 ...	+ 3·3377	+ 0·0110	...	+ 9·523	− 0·431	...	...
364	O. A. S. 15412 ...	+ 3·4116	+ 0·0122	...	+ 9·501	− 0·442	...	...
365	O. A. S. 15416 ...	+ 3·5193	+ 0·0140	...	+ 9·487	− 0·456	...	...
366	O. A. S. 15418 ...	+ 3·4147	+ 0·0123	...	+ 9·485	− 0·442	...	...
367	1 Ophiuchi δ... ...	+ 3·1416	+ 0·0081	− 0·005	+ 9·435	− 0·408	+ 0·14	2065
368	... ...	+ 3·5659	+ 0·0147	...	+ 9·235	− 0·465	...	...
369	... ...	+ 3·4518	+ 0·0123	...	+ 9·028	− 0·453	...	...
370	... ...	+ 4·8642	+ 0·0492	...	+ 8·868	− 0·638	...	...
371	... ...	+ 4·0172	+ 0·0233	...	+ 8·757	− 0·530	...	...
372	... ...	+ 5·3649	+ 0·0682	...	+ 8·742	− 0·706	...	...
373	... ...	+ 3·4509	+ 0·0119	...	+ 8·699	− 0·457	...	...
374	O. A. S. 15606 ...	+ 3·4468	+ 0·0118	...	+ 8·674	− 0·457	...	...
375	O. A. S. 15613 ...	+ 3·5885	+ 0·0141	...	+ 8·646	− 0·476	...	...
376	5 Ophiuchi ρ... ...	+ 3·5884	+ 0·0141	− 0·002	+ 8·631	− 0·476	+ 0·01	Stone
377	Taylor 7621	+ 3·5873	+ 0·0141	...	+ 8·631	− 0·476	...	...
378	... ...	+ 4·0696	+ 0·0240	...	+ 8·581	− 0·540	...	...
379	7 Ophiuchi χ ...	+ 3·4697	+ 0·0119	− 0·004	+ 8·497	− 0·462	+ 0·02	2088
380	21 Scorpii α (*Antares*)	+ 3·6691	+ 0·0150	− 0·002	+ 8·342	− 0·491	+ 0·03	2091
381	Lalande 30042 ...	+ 1·9924	+ 0·0040	...	+ 8·231	− 0·269	...	...
382	8 Ophiuchi φ... ...	+ 3·4301	+ 0·0110	− 0·005	+ 8·162	− 0·461	+ 0·03	2094
383	30 Herculis *g* ...	+ 1·9653	+ 0·0042	0·000	+ 8·117	− 0·265	− 0·04	2102
384	... ...	+ 4·1379	+ 0·0235	...	+ 7·909	− 0·557	...	...
385	13 Ophiuchi ζ ...	+ 3·2969	+ 0·0067	− 0·001	+ 7·656	− 0·447	− 0·04	2109

376.—Proper motions from *Stone's Cape Catalogue.*

Mean Positions of Stars for 1874, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
386	Brisbane 5784	9·8	1	16	31	47·58	150	40	41·3	1	0·38
387	Taylor 7724	7·3	2	16	34	29·60	109	40	50·3	2	0·39
388	... ...	8·2	1	16	35	19·62	134	8	14·6	1	0·41
389	α Trianguli Australis ...	2·0	...	16	35	20·63	158	47	36·4	3	0·62
390	40 Herculis ζ	3·1	...	16	36	32·17	58	10	3·7	3	0·58
391	... ...	9·0	1	16	37	25·45	130	59	8·4	1	0·50
392	O. A. S. 15952	9·3	1	16	39	58·05	111	56	41·2	2	0·39
393	Lacaille 6984	8·0	3	16	40	21·29	120	58	32·7	3	0·61
394	... ...	8·4	1	16	45	6·15	131	2	32·6	1	0·38
395	... ...	10·1	2	16	45	20·98	75	17	45·6	2	0·55
396	Taylor 7815	8·4	2	16	46	11·08	130	18	54·0	2	0·48
397	49 Herculis	7·5	2	16	46	20·66	74	48	44·2	2	0·65
398	... ...	9·0	1	16	46	56·30	136	38	34·4	1	0·41
399	... ...	8·6	1	16	47	32·69	130	17	27·1	1	0·62
400	Stone 9208	8·1	2	16	48	12·46	121	6	6·6	2	0·52
401	... ...	8·2	1	16	49	33·48	125	32	19·0	2	0·39
402	27 Ophiuchi κ	3·4	...	16	51	42·23	80	25	37·5	8	0·57
403	... ...	8·6	3	16	52	18·59	122	54	41·3	3	0·41
404	O. A. S. 16232	10·0	1	16	54	32·86	110	15	39·0	1	0·55
405	22 Ursæ Minoris ε ...	4·5	...	16	58	57·12	7	45	31·9	3	0·73
406	... ...	8·2	1	17	4	43·35	59	8	1·1	2	0·39
407	Lacaille 7168	8·0	1	17	5	16·83	128	8	28·6	1	0·41
408	O. A. S. 16432	8·1	2	17	6	24·04	105	24	28·4	2	0·48
409	... ...	9·0	2	17	6	48·76	130	54	48·2	2	0·65
410	64 Herculis α, Var. 1 ...	Var.	...	17	8	54·18	75	27	51·2	8	0·60
411	... ...	8·1	1	17	9	40·79	124	4	59·3	1	0·50
412	... ...	10·2	1	17	12	40·25	130	28	19·4	1	0·41
413	42 Ophiuchi θ	3·4	...	17	14	16·37	114	52	16·7	4	0·57
414	... ...	8·9	4	17	21	55·34	130	46	12·4	4	0·58
415	Brisbane 6091	8·5	1	17	22	11·66	148	27	34·4	1	0·41
416	Lacaille 7315	7·6	4	17	22	50·61	130	56	22·1	4	0·64
417	23 Draconis β	3·0	...	17	27	35·14	37	36	17·1	2	0·62
418	Taylor 8129	8·2	1	17	28	11·36	77	23	50·6	1	0·41
419	55 Ophiuchi α	2·2	...	17	29	5·08	77	20	47·4	2	0·61
420	... ...	8·0	1	17	29	5·56	125	15	6·0	1	0·50

398.—Comparison star for Ianthe in 1873.
400.—Comparison star for Alexandra in 1871.
404.—Observed for map of T Serpentis, Var. 4.
414.—Apparently wrong as no star was afterwards found in this place.
420.—Comparison star for Donati's comet of 1858.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
386	Brisbane 5784 ...	+ 5·2785	+ 0·0545	...	+ 7·530	− 0·715	...	...
387	Taylor 7724	+ 3·5175	+ 0·0112	...	+ 7·310	− 0·481	...	...
388	... ...	+ 4·2821	+ 0·0247	...	+ 7·242	− 0·584	...	...
389	α Trianguli Australis.	+ 6·2853	+ 0·0907	0·000	+ 7·241	− 0·858	+ 0·06	Stone
390	40 Herculis ζ ...	+ 2·2967	+ 0·0033	− 0·036	+ 7·143	− 0·316	− 0·41	2127
391	... ...	+ 4·1593	+ 0·0215	...	+ 7·071	− 0·570	...	...
392	O. A. S. 15952 ...	+ 3·5784	+ 0·0114	...	+ 6·862	− 0·493	...	...
393	Lacaille 6984 ...	+ 3·8268	+ 0·0149	...	+ 6·830	− 0·528	...	...
394	... ...	+ 4·1746	+ 0·0198	...	+ 6·438	− 0·579	...	...
395	... ...	+ 2·7399	+ 0·0039	...	+ 6·417	− 0·381	...	...
396	Taylor 7815	+ 4·1484	+ 0·0191	...	+ 6·348	− 0·576	...	...
397	49 Herculis	+ 2·7279	+ 0·0040	+ 0·000	+ 6·335	− 0·381	+ 0·00	2144
398	... ...	+ 4·4168	+ 0·0237	...	+ 6·286	− 0·615	...	...
399	... ...	+ 4·1495	+ 0·0186	...	+ 6·235	− 0·578	...	...
400	Stone 9208	+ 3·8395	+ 0·0137	...	+ 6·179	− 0·536	...	...
401	... ...	+ 3·9825	+ 0·0156	...	+ 6·068	− 0·556	...	...
402	27 Ophiuchi κ ...	+ 2·8567	+ 0·0044	− 0·021	+ 5·888	− 0·402	− 0·02	2156
403	... ...	+ 3·9002	+ 0·0139	...	+ 5·837	− 0·547	...	...
404	O. A. S. 16232 ...	+ 3·5457	+ 0·0093	...	+ 5·650	− 0·498	...	...
405	22 Ursæ Minoris ε ...	− 6·3941	+ 0·3072	+ 0·009	+ 5·279	+ 0·898	+ 0·00	2201
406	... ...	+ 2·2962	+ 0·0031	...	+ 4·791	− 0·327	...	...
407	Lacaille 7168 ...	+ 4·0923	+ 0·0139	...	+ 4·743	− 0·581	...	...
408	O. A. S. 16432 ...	+ 3·4306	+ 0·0070	...	+ 4·647	− 0·489	...	...
409	... ...	+ 4·1998	+ 0·0146	...	+ 4·613	− 0·598	...	...
410	64 Herculis α, Var. 1..	+ 2·7342	+ 0·0035	− 0·002	+ 4·434	− 0·391	− 0·03	2183
411	... ...	+ 3·9551	+ 0·0113	...	+ 4·367	− 0·565	...	...
412	... ...	+ 4·1888	+ 0·0132	...	+ 4·112	− 0·599	...	...
413	42 Ophiuchi θ ...	+ 3·6796	+ 0·0080	− 0·002	+ 3·975	− 0·528	+ 0·04	2189
414	... ...	+ 4·2092	+ 0·0111	...	+ 3·316	− 0·606	...	...
415	Brisbane 6091 ...	+ 5·2209	+ 0·0227	...	+ 3·292	− 0·753	...	...
416	Lacaille 7315 ...	+ 4·2168	+ 0·0109	...	+ 3·237	− 0·608	...	...
417	23 Draconis β ...	+ 1·3537	+ 0·0052	− 0·002	+ 2·827	− 0·197	− 0·00	2221
418	Taylor 8129	+ 2·7761	+ 0·0031	...	+ 2·775	− 0·402	...	...
419	55 Ophiuchi α ...	+ 2·7748	+ 0·0030	+ 0·007	+ 2·697	− 0·402	+ 0·22	2218
420	... ...	+ 4·0085	+ 0·0079	...	+ 2·697	− 0·580	...	...

389.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1874, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
421	... ...	9·2	2	17	30	5·24	130	56	49·1	2	0·55
422	Taylor 8141	6·4	1	17	31	10·59	111	50	8·4	1	0·50
423	56 Serpentis *o*	4·4	...	17	34	20·25	102	48	18·6	2	0·54
424	... ...	9·2	1	17	34	53·96	128	57	52·7	1	0·61
425	... ...	8·5	1	17	40	36·35	126	28	35·6	1	0·41
426	86 Herculis *μ*	3·5	...	17	41	31·67	62	12	15·5	4	0·63
427	... ...	8·8	3	17	42	42·93	118	27	37·9	3	0·57
428	Radcliffe 3765	8·4	1	17	43	33·49	17	32	9·4	1	0·50
429	31 Draconis ψ^2	6·0	...	17	44	12·80	17	46	53·5	4	0·62
430	... ...	8·0	1	17	45	42·59	128	35	31·2	1	0·46
431	Lacaille 7499	7·4	1	17	48	57·14	129	4	50·1	1	0·41
432	33 Draconis *γ*	2·4	...	17	53	40·91	38	29	46·0	1	0·46
433	... ...	10·0	1	18	4	20·01	59	9	50·0	1	0·50
434	13 Sagittarii μ^1	4·1	...	18	6	13·68	111	5	22·4	3	0·64
435	14 Sagittarii	5·9	...	18	6	41·64	111	44	40·1	4	0·59
436	... ...	8·0	2	18	7	23·23	122	22	38·5	2	0·65
437	15 Sagittarii	5·6	...	18	7	41·87	110	45	49·7	3	0·62
438	Lacaille 7644	7·0	...	18	9	39·94	132	19	53·5	1	0·55
439	23 Ursæ Minoris *δ* ...	4·3	...	18	12	58·66	3	23	31·8	3	0·63
440	24 Ursæ Minoris	3·1	...	18	17	26·31	3	0	50·4	5	0·17
441	O. A. S. 18326	8·4	1	18	23	58·80	109	14	35·3	1	0·48
442	V Sagittarii, Var. 5 ...	7·8	2	18	24	0·74	108	20	50·6	3	0·65
443	Taylor 8527	6·1	1	18	24	3·10	108	29	9·8	1	0·53
444	U Sagittarii, Var. 4 ...	6·4	2	18	24	27·97	109	12	40·0	3	0·60
445	*θ* Coronæ Australis ...	6·9	2	18	24	30·12	132	24	1·2	2	0·62
446	O. A. S. 18346	7·1	1	18	24	48·07	109	12	37·0	1	0·53
447	Taylor 8551	7·3	2	18	28	10·73	149	13	17·0	2	0·62
448	... ...	9·7	3	18	30	6·77	135	12	2·3	3	0·68
449	... ...	9·0	2	18	30	10·49	135	51	26·0	2	0·53
450	3 Lyræ *α* (*Vega*)	0·2	...	18	32	40·30	51	19	57·8	9	0·63
451	... ...	9·0	1	18	35	23·41	136	44	27·8	1	0·53
452	... ...	9·6	1	18	35	44·76	137	15	47·7	1	0·55
453	... ...	9·0	3	18	41	5·79	127	26	58·9	3	0·62
454	O. A. S. 18773	9·0	1	18	45	3·01	118	17	36·7	1	0·53
455	10 Lyræ β^1, Var. 1 ...	Var.	...	18	45	25·64	56	46	57·4	10	0·64

430—431—445—448—449—451—452.—Comparison stars for Donati's comet of 1858.

435.—Comparison star for D'Arrest's comet of 1870.

439.—R. P. L. 125.

440.—R. P. L. 128.

441—443—446.—Observed for map of U Sagittarii, Var. 4.

454.—Comparison star for Amphitrite in 1863.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
421	... ...	+ 4·2224	+ 0·0091	...	+ 2·610	− 0·611	...	...
422	Taylor 8141	+ 3·6036	+ 0·0054	...	+ 2·515	− 0·522	...	...
423	56 Serpentis *o* ...	+ 3·3743	+ 0·0041	− 0·006	+ 2·241	− 0·490	+ 0·04	2225
424	... ...	+ 4·1471	+ 0·0075	...	+ 2·191	− 0·602	...	...
425	... ...	+ 4·0572	+ 0·0057	...	+ 1·695	− 0·591	...	...
426	86 Herculis *μ* ...	+ 2·3697	+ 0·0025	− 0·024	+ 1·614	− 0·346	+ 0·75	2237
427	... ...	+ 3·7949	+ 0·0045	...	+ 1·511	− 0·553	...	...
428	Radcliffe 3765 ...	− 1·1480	+ 0·0164	...	+ 1·437	− 0·166	...	...
429	31 Draconis ψ^2 ...	− 1·0866	+ 0·0156	− 0·001	+ 1·380	− 0·157	+ 0·28	2252
430	... ...	+ 4·1371	+ 0·0049	...	+ 1·250	− 0·603	...	...
431	Lacaille 7499 ...	+ 4·1568	+ 0·0042	...	+ 0·967	− 0·605	...	...
432	33 Draconis *γ* ...	+ 1·3918	+ 0·0030	− 0·002	+ 0·553	− 0·203	+ 0·03	2267
433	... ...	+ 2·2743	+ 0·0021	...	− 0·379	− 0·332	...	...
434	13 Sagittarii μ^1 ...	+ 3·5876	+ 0·0009	− 0·001	− 0·545	− 0·523	− 0·00	2284
435	14 Sagittarii... ...	+ 3·6052	+ 0·0009	− 0·003	− 0·586	− 0·526	+ 0·02	2286
436	... ...	+ 3·9194	+ 0·0001	...	− 0·646	− 0·571	...	...
437	15 Sagittarii... ...	+ 3·5789	+ 0·0008	− 0·002	− 0·673	− 0·522	− 0·01	2288
438	Lacaille 7644 ...	+ 4·2891	− 0·0010	...	− 0·845	− 0·625	...	...
439	23 Ursæ Minoris *δ* ...	− 19·4462	− 0·3787	+ 0·026	− 1·135	+ 2·831	− 0·04	2395
440	24 Ursæ Minoris ...	− 22·2466	− 0·6558	+ 0·067	− 1·524	+ 3·236	+ 0·02	2417
441	O. A. S. 18326 ...	+ 3·5364	− 0·0010	...	− 2·094	− 0·512	...	...
442	V Sagittarii, Var. 5...	+ 3·5132	− 0·0010	...	− 2·097	− 0·509	...	...
443	Taylor 8527	+ 3·5167	− 0·0010	...	− 2·097	− 0·509	...	...
444	U Sagittarii, Var. 4...	+ 3·5354	− 0·0011	...	− 2·136	− 0·512	...	...
445	*θ* Coronæ Australis ...	+ 4·2861	− 0·0049	0·000	− 2·140	− 0·620	− 0·03	Stone
446	O. A. S. 18346 ...	+ 3·5358	− 0·0011	...	− 2·166	− 0·512	...	...
447	Taylor 8551	+ 5·3000	− 0·0153	...	− 2·460	− 0·767	...	...
448	... ...	+ 4·4070	− 0·0078	...	− 2·628	− 0·636	...	...
449	... ...	+ 4·4379	− 0·0080	...	− 2·633	− 0·641	...	...
450	3 Lyræ *α*	+ 2·0132	+ 0·0016	+ 0·017	− 2·849	− 0·290	− 0·30	2341
451	... ...	+ 4·4761	− 0·0098	...	− 3·084	− 0·644	...	...
452	... ...	+ 4·5017	− 0·0103	...	− 3·114	− 0·648	...	...
453	... ...	+ 4·0798	− 0·0075	...	− 3·577	− 0·584	...	...
454	O. A. S. 18773 ...	+ 3·7781	− 0·0055	...	− 3·916	− 0·538	...	...
455	10 Lyræ β^1, Var. 1 ...	+ 2·2139	+ 0·0015	− 0·001	− 3·949	− 0·315	− 0·02	2369

445.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1874, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
456	... ...	8·1	1	18	46	31·32	126	40	15·4	1	0·53
457	... ...	9·1	5	18	48	0·82	116	5	32·5	5	0·68
458	R. P. L. 131	6·5	...	18	55	48·88	3	27	8·8	6	0·67
459	... ...	10·0	3	18	57	53·55	111	20	19·5	3	0·68
460	17 Aquilæ ζ	3·1	...	18	59	37·08	76	19	20·5	13	0·66
461	... ...	9·6	2	19	5	49·51	126	27	18·5	2	0·52
462	... ...	9·0	1	19	7	47·65	129	46	40·9	1	0·53
463	... ...	9·4	1	19	9	0·06	129	48	3·5	1	0·58
464	... ...	9·6	3	19	9	41·75	109	31	45·7	3	0·70
465	... ...	8·4	2	19	10	3·34	129	46	7·8	2	0·71
466	... ...	8·1	2	19	10	54·57	146	11	55·8	2	0·69
467	O. A. S. 19353	7·6	2	19	10	56·57	116	17	57·0	2	0·58
468	O. A. S. 19366	8·1	1	19	11	15·39	116	16	0·8	1	0·55
469	25 Aquilæ ω	5·1	...	19	11	54·13	78	37	47·2	10	0·66
470	30 Aquilæ δ	3·5	...	19	19	8·64	87	8	4·2	16	0·66
471	52 Sagittarii h²	4·6	...	19	29	2·17	115	9	34·4	10	0·69
472	13 Cygni θ...	4·6	...	19	33	3·84	40	4	10·3	2	0·54
473	... ...	9·0	1	19	35	3·39	127	15	43·9	1	0·66
474	50 Aquilæ γ	2·8	...	19	40	16·14	79	41	31·1	10	0·71
475	O. A. S. 19996	9·5	2	19	42	51·89	108	10	35·2	2	0·61
476	S Vulpeculæ, Var. 3 ...	8·9	1	19	43	13·91	63	1	37·5	1	0·66
477	53 Aquilæ α (*Altair*) ...	1·0	...	19	44	38·11	81	27	44·6	9	0·72
478	Lacaille 8249	7·6	2	19	44	43·01	122	17	48·9	2	0·60
479	55 Aquilæ η, Var. 1 ...	Var.	...	19	46	3·36	89	18	57·7	6	0·66
480	O. A. S. 20055	9·0	1	19	46	54·01	107	44	16·9	1	0·68
481	60 Aquilæ β	4·0	...	19	49	7·48	83	54	21·9	5	0·73
482	... ...	8·7	1	19	50	21·81	145	55	17·4	1	0·68
483	O. A. N. 20046	9·2	7	20	2	52·54	32	21	48·8	7	0·69
484	... ...	9·4	7	20	5	50·63	74	46	39·5	7	0·71
485	R Sagittarii, Var. 1 ...	9·4	4	20	8	19·46	73	39	12·1	4	0·79
486	5 Capricorni α¹	4·5	...	20	10	39·72	102	58	44·9	4	0·61
487	6 Capricorni α²	3·8	...	20	11	3·66	102	56	0·5	7	0·71
488	7 Capricorni σ	5·6	...	20	12	7·35	109	30	35·4	2	0·77
489	... ...	9·3	4	20	12	38·22	88	45	26·0	4	0·78
490	34 Cygni, Var. 1	Var.	...	20	13	8·62	52	21	29·0	6	0·67

457.—Comparison star Julia in 1874.
458.—Carrington 2882.
467—468.—Comparison stars for D'Arrest's comet in 1870.
480.—Comparison star for Hestia in 1869.
484.—Observed for map of S Aquilæ, Var. 4.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	Secular Variation.	Proper Motion.	In Polar Distance. Annual Precession.	Secular Variation.	Proper Motion.	Numbers in Auwers-Bradley.
		s	s	s	″	″	″	
456	... ...	+ 4·0473	− 0·0084	...	− 4·042	− 0·576	...	...
457	... ...	+ 3·7127	− 0·0054	...	− 4·171	− 0·528	...	...
458	R. P. L. 131	− 18·4343	− 1·5447	...	− 4·836	+ 2·612	...	...
459	... ...	+ 3·5780	− 0·0053	...	− 5·011	− 0·503	...	...
460	17 Aquilæ ξ	+ 2·7578	+ 0·0003	− 0·003	− 5·158	− 0·387	+ 0·09	2405
461	... ...	+ 4·0195	− 0·0121	...	− 5·680	− 0·560	...	...
462	... ...	+ 4·1369	− 0·0144	...	− 5·846	− 0·576	...	...
463	... ...	+ 4·1360	− 0·0146	...	− 5·947	− 0·574	...	...
464	... ...	+ 3·5248	− 0·0061	...	− 6·005	− 0·488	...	...
465	... ...	+ 4·1334	− 0·0149	...	− 6·034	− 0·573	...	...
466	... ...	+ 4·9745	− 0·0328	...	− 6·106	− 0·689	...	...
467	O. A. S. 19353 ...	+ 3·7015	− 0·0086	...	− 6·109	− 0·511	...	...
468	O. A. S. 19366 ...	+ 3·7004	− 0·0085	...	− 6·135	− 0·511	...	...
469	25 Aquilæ ω	+ 2·8165	− 0·0003	− 0·001	− 6·189	− 0·388	− 0·03	2432
470	30 Aquilæ δ	+ 3·0092	− 0·0018	+ 0·015	− 6·789	− 0·410	− 0·09	2451
471	52 Sagittarii h^2 ...	+ 3·6533	− 0·0102	+ 0·002	− 7·597	− 0·490	+ 0·01	2478
472	13 Cygni θ	+ 1·6120	− 0·0016	− 0·003	− 7·922	− 0·213	− 0·24	2498
473	... .	+ 4·0031	− 0·0179	...	− 8·082	− 0·533	...	...
474	50 Aquilæ γ	+ 2·8519	− 0·0011	− 0·001	− 8·196	− 0·373	− 0·01	2511
475	O. A. S. 19996 ...	+ 3·4677	− 0·0087	...	− 8·702	− 0·452	...	...
476	S Vulpeculæ, Var. 3...	+ 2·4597	+ 0·0011	...	− 8·728	− 0·319	...	...
477	53 Aquilæ α	+ 2·8920	− 0·0014	+ 0·035	− 8·841	− 0·374	− 0·38	2524
478	Lacaille 8249 ...	+ 3·8307	− 0·0160	...	− 8·847	− 0·498	...	...
479	55 Aquilæ η, Var. 1...	+ 3·0580	− 0·0031	− 0·002	− 8·952	− 0·396	+ 0·00	2526
480	O. A. S. 20055 ...	+ 3·4541	− 0·0088	...	− 9·018	− 0·446	...	...
481	60 Aquilæ β	+ 2·9453	− 0·0020	+ 0·001	− 9·192	− 0·378	+ 0·47	2538
482	... ...	+ 4·8237	− 0·0479	...	− 9·289	− 0·621	...	...
483	O. A. N. 20046 ...	+ 1·2586	− 0·0074	...	− 10·244	− 0·154	...	...
484	... ...	+ 2·7618	− 0·0004	...	− 10·467	− 0·339	...	...
485	R Sagittarii, Var. 1...	+ 2·7398	− 0·0020	...	− 10·638	− 0·186	...	...
486	5 Capricorni α^1 ...	+ 3·3300	− 0·0084	− 0·001	− 10·824	− 0·406	− 0·03	2593
487	6 Capricorni α^2 ...	+ 3·3304	− 0·0084	− 0·002	− 10·854	− 0·403	− 0·02	2595
488	7 Capricorni σ ...	+ 3·4693	− 0·0115	− 0·001	− 10·932	− 0·420	− 0·01	2597
489	... ...	+ 3·0479	− 0·0087	...	− 10·969	− 0·367	...	...
490	34 Cygni, Var. 1 ...	+ 2·2103	+ 0·0019	− 0·001	− 11·006	− 0·265	− 0·00	2614

Mean Positions of Stars for 1874, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
491	9 Capricorni β	3·4	...	20	13	55·63	105	10	36·9	1	0·53
492	... ...	9·3	2	20	16	17·69	106	15	47·4	2	0·79
493	... ...	9·0	1	20	17	28·18	121	9	54·6	1	0·72
494	24 Cephei (Hev), Var 1 ...	Var.	...	20	20	30·64	1	15	8·4	5	0·16
495	11 Capricorni ρ	5·0	...	20	21	40·26	108	13	41·2	11	0·73
496	... ...	8·6	2	20	23	53·93	124	55	2·9	2	0·54
497	R. P. L. 143	6·7	...	20	28	16·87	5	16	27·4	10	0·34
498	... ...	8·9	2	20	28	35·87	143	14	22·6	2	0·69
499	... ...	9·5	1	20	29	20·32	121	4	25·5	1	0·53
500	... ...	9·0	1	20	30	30·55	143	49	58·4	1	0·55
501	... ...	9·5	3	20	31	40·86	125	41	33·5	3	0·71
502	... ...	9·7	4	20	32	9·34	124	38	43·5	4	0·66
503	50 Cygni α	1·5	...	20	37	8·16	45	10	8·3	13	0·76
504	W. B. E. XX. 935 ...	8·5	4	20	37	15·44	73	20	55·9	5	0·60
505	T Delphini, Var. 3. ...	10·5	3	20	39	31·38	74	3	27·5	3	0·70
506	W. B. E. XX. 1024 ...	9·6	1	20	41	26·51	105	22	7·6	1	0·67
507	T Aquarii, Var. 4. ...	8·0	5	20	43	17.37	95	36	45·7	5	0·73
508	32 Vulpeculæ	5·1	...	20	49	11·39	62	25	14·3	10	0·77
509	R Vulpeculæ, Var. 3 ...	7·7	4	20	58	46·76	66	40	40·7	4	0·71
510	... ...	9·7	1	20	59	21·86	148	50	18·2	1	0·67
511	Taylor 9772	8·3	1	21	1	11·84	145	4	52·5	1	0·58
512	61 Cygni—2nd	6·3	...	21	1	16·71	51	52	17·1	7	0·68
513	64 Cygni ζ...	3·5	...	21	7	34·37	60	17	20·3	12	0·78
514	... ...	10·6	2	21	8	56·88	110	46	40·1	2	0·70
515	... ...	9·7	1	21	14	26·32	128	57	47·8	1	0·58
516	T Capricorni, Var. 3 ..	9·2	4	21	14	59·03	105	37	39·6	4	0·68
517	... ...	9·2	1	21	15	38·18	130	13	38·6	1	0·63
518	... ...	9·7	1	21	23	31·53	110	4	51·0	1	0·58
519	22 Aquarii β	3·1	...	21	24	55·44	96	7	26·9	18	0·78
520	... ...	9·5	3	21	29	29·10	134	1	41·3	3	0·70
521	... ...	10·1	4	21	35	7·92	102	57	23·1	4	0·68
522	S Cephei, Var. 3	8·3	6	21	36	45·06	11	56	34·4	6	0·74
523	8 Pegasi ε...	2·4	...	21	37	59·74	80	42	5·1	5	0·81
524	μ Cephei, Var. 2	Var.	...	21	39	39·45	31	47	50·1	2	0·65
525	... ...	10·3	1	21	41	20·73	102	29	42·4	1	0·84

492.—Comparison star for Hestia in 1865. 497.—Carrington 3128.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion	Number in Auwers-Bradley.
		s	s	s	"	"	"	
491	9 Capricorni β ...	+ 3·3747	− 0·0095	+ 0·001	− 11·063	− 0·406	− 0·02	2609
492	... ...	+ 3·3953	− 0·0101	...	− 11·235	− 0·406	...	...
493	... ...	+ 3·7397	− 0·0191	...	− 11·320	− 0·447	...	...
494	24 Cephei(Hev),Var. 1	− 46·9387	− 24·7998	...	− 11·539	+ 5·604	...	...
495	11 Capricorni ρ ...	+ 3·4310	− 0·0115	− 0·003	− 11·622	− 0·403	+ 0·01	2626
496	... ...	+ 3·8275	− 0·0229	...	− 11·780	− 0·447	...	...
497	R. P. L. 143	− 8·4836	− 1·2718	...	− 12·089	+ 0·992	...	...
498	... ...	+ 4·4988	− 0·0515	...	− 12·111	− 0·520	...	...
499	... ...	+ 3·7129	− 0·0201	...	− 12·162	− 0·427	...	...
500	... ...	+ 4·5208	− 0·0535	...	− 12·244	− 0·519	...	...
501	... ...	+ 3·8301	− 0·0243	...	− 12·324	− 0·436	...	...
502	... ...	+ 3·7998	− 0·0234	...	− 12·358	− 0·432	...	...
503	50 Cygni α	+ 2·0435	+ 0·0021	− 0·000	− 12·698	− 0·226	− 0·00	2679
504	W. B. E. XX. 935 ...	+ 2·7629	+ 0·0002	...	− 12·706	− 0·307	...	...
505	T Delphini, Var. 3 ...	+ 2·7791	0·0000	...	− 12·856	− 0·305	...	...
506	W. B. E. XX. 1024 ...	+ 3·3523	− 0·0109	...	− 12·987	− 0·367	...	...
507	T Aquarii, Var. 4 ...	+ 3·1717	− 0·0066	...	− 13·110	− 0·345	...	...
508	32 Vulpeculæ ...	+ 2·5557	+ 0·0026	− 0·002	− 13·496	− 0·270	+ 0·00	2709
509	R Vulpeculæ, Var. 3..	+ 2·6625	+ 0·0022	...	− 14·105	− 0·271	...	...
510	... .	+ 4·6400	− 0·0757	...	− 14·141	− 0·476	...	...
511	Taylor 9772	+ 4·4194	− 0·0624	...	− 14·254	− 0·449	...	...
512	61 Cygni—2nd ...	+ 2·3344	+ 0·0044	+ 0·350	− 14·260	− 0·233	− 3·03	2745
513	64 Cygni ζ	+ 2·5509	+ 0·0038	− 0·002	− 14·642	− 0·248	+ 0·07	2760
514	... ...	+ 3·4165	− 0·0149	...	− 14·724	− 0·332	...	...
515	... ...	+ 3·7872	− 0·0315	...	− 15·015	− 0·360	...	...
516	T Capricorni, Var. 3..	+ 3·3189	− 0·0120	...	− 15·076	− 0·314	...	...
517	... ...	+ 3·8156	− 0·0331	...	− 15·114	− 0·361	...	...
518	... ...	+ 3·3807	− 0·0147	...	− 15·558	− 0·305	...	...
519	22 Aquarii β	+ 3·1620	− 0·0071	− 0·001	− 15·636	− 0·282	+ 0·00	2797
520	... .	+ 3·8614	− 0·0394	...	− 15·882	− 0·338	...	...
521	... ...	+ 3·2539	− 0·0106	...	− 16·181	− 0·273	...	...
522	S Cephei, Var. 3 ...	− 0·6261	− 0·1622	...	− 16·263	+ 0·059	...	...
523	8 Pegasi ε	+ 2·9451	− 0·0005	+ 0·001	− 16·327	− 0·242	− 0·01	2835
524	μ Cephei, Var. 2 ...	+ 1·8327	+ 0·0039	...	− 16·409	− 0·147	...	...
525	... ...	+ 3·2408	− 0·0104	...	− 16·495	− 0·263	...	...

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Mean Positions of Stars for 1874, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
526	... ...	7·9	2	21	41	42·31	37	16	40·8	2	0·78
527	51 Capricorni μ	5·2	...	21	46	25·46	104	8	36·3	1	0·67
528	16 Pegasi	5·0	...	21	47	19·82	64	40	1·7	4	0·81
529	34 Aquarii α	3·2	...	21	59	18·73	90	55	51·9	4	0·81
530	... ...	10·0	4	22	2	33·91	114	56	52·6	3	0·83
531	... ...	9·5	3	22	2	35·31	114	51	49·6	3	0·76
532	... ...	9·4	2	22	3	46·97	129	2	26·6	2	0·78
533	... ...	9·0	1	22	3	51·52	101	5	59·9	1	0·71
534	38 Aquarii ϵ^2	5·4	...	22	3	53·33	102	11	0·3	1	0·77
535	Lalande 43402	9·1	3	22	8	54·97	99	1	19·6	3	0·69
536	43 Aquarii θ	4·3	...	22	10	11·02	98	24	34·8	6	0·84
537	... ...	9·6	2	22	14	53·05	146	31	27·3	2	0·68
538	... ...	8·1	2	22	15	51·07	82	44	24·1	2	0·83
539	... ...	10·2	2	22	16	29·31	82	39	36·3	2	0·72
540	... ...	9·7	3	22	19	38·75	88	39	50·3	3	0·73
541	R. P. L. 150	5·5	...	22	23	1·36	4	31	38·0	2	0·14
542	R. P. L. 151	6·9	...	22	23	28·89	4	24	47·0	11	0·45
543	... ...	9·6	3	22	25	12·70	129	41	34·9	3	0·72
544	... ...	9·6	3	22	25	18·90	146	47	30·7	3	0·85
545	R. P. L. 153	7·6	...	22	28	10·24	2	33	31·5	7	0·30
546	62 Aquarii η	4·2	...	22	28	52·78	90	45	58·3	4	0·82
547	... ...	9·0	1	22	34	53·41	155	28	11·8	1	0·71
548	42 Pegasi ζ...	3·6	...	22	35	10·61	79	49	31·6	8	0·86
549	... ...	9·0	2	22	49	42·37	152	32	1·5	2	0·76
550	24 Pis. Aust. α, (*Fomalhaut*)	1·3	...	22	50	41·00	120	17	22·2	6	0·83
551	... ...	9·0	1	22	52	21·18	85	23	15·6	1	0·68
552	... ...	9·8	2	22	57	40·53	57	8	50·2	2	0·78
553	54 Pegasi α	2·6	...	22	58	29·05	75	28	18·9	8	0·85
554	Lacaille 9377	7·6	1	23	2	49·29	151	14	47·4	1	0·77
555	6 Piscium γ	3·8	...	23	10	37·95	87	24	20·1	6	0·86
556	... ...	9·6	2	23	11	41·64	151	12	30·1	2	0·83
557	... ...	9·5	2	23	12	7·01	131	4	54·9	2	0·77
558	... ...	9·4	3	23	12	10·80	129	54	36·7	3	0·79
559	... ...	8·8	1	23	12	41·17	137	0	38·2	1	0·82
560	Groombridge 4040 ...	6·5	2	23	13	20·20	16	59	56·9	2	0·76

531.—Comparison star for D'Arrest's comet in 1870.
535.—Comparison star for Ausonia in 1862.
541.—Groombridge 3826.
542.—Groombridge 3824.
545.—Carrington 3466.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
526	... ...	+ 2·0758	+ 0·0075	...	− 16·515	− 0·165	...	...
527	51 Capricorni μ ...	+ 3·2577	− 0·0113	+ 0·018	− 16·744	− 0·255	− 0·01	2860
528	16 Pegasi	+ 2·7259	+ 0·0052	− 0·001	− 16·787	− 0·210	+ 0·00	2864
529	34 Aquarii α... ...	+ 3·0831	− 0·0041	− 0·001	− 17·338	− 0·219	− 0·00	2890
530	... ...	+ 3·3771	− 0·0155	...	− 17·480	− 0·233	...	...
531	... ...	+ 3·3759	− 0·0182	...	− 17·481	− 0·233	...	...
532	... ...	+ 3·5988	− 0·0312	...	− 17·530	− 0·236	...	...
533	... ...	+ 3·1994	− 0·0092	...	− 17·534	− 0·219	...	...
534	38 Aquarii ε² ...	+ 3·2122	− 0·0099	+ 0·001	− 17·536	− 0·220	− 0·01	2909
535	Lalande 43402 ...	+ 3·1711	− 0·0079	...	− 17·745	− 0·207	...	...
536	43 Aquarii θ	+ 3·1633	− 0·0075	+ 0·006	− 17·796	− 0·205	+ 0·02	2929
537	... ...	+ 3·9673	− 0·0679	...	− 17·982	− 0·249	...	...
538	... ...	+ 2·9975	0·0000	...	− 18·019	− 0·185	...	...
539	... ...	+ 2·9971	+ 0·0001	...	− 18·044	− 0·184	...	...
540	... ...	+ 3·0589	− 0·0025	...	− 18·162	− 0·181	...	...
541	R. P. L. 150	− 3·8606	− 1·2082	+ 0·052	− 18·286	+ 0·240	− 0·04	2993
542	R. P. L. 151	− 4·0098	− 1·2752	+ 0·025	− 18·302	− 0·247	− 0·01	2997
543	... ...	+ 3·5182	− 0·0324	...	− 18·363	− 0·199	...	...
544	... ...	+ 3·8922	− 0·0676	...	− 18·367	− 0·221	...	...
545	R. P. L. 153	− 8·5967	− 4·0586	...	− 18·466	+ 0·497	...	...
546	62 Aquarii η... ...	+ 3·0791	− 0·0031	+ 0·006	− 18·490	− 0·166	+ 0·11	2979
547	... ...	+ 4·1354	− 0·1067	...	− 18·687	− 0·213	...	...
548	42 Pegasi ζ	+ 2·9854	+ 0·0023	+ 0·004	− 18·697	− 0·149	+ 0·02	2992
549	... ...	+ 3·8487	− 0·0848	...	− 19·118	− 0·162	...	...
550	24 Piscis Australis α.	+ 3·3048	− 0·0210	+ 0·023	− 19·145	− 0·135	+ 0·16	3032
551	... ...	+ 3·0409	+ 0·0005	...	− 19·187	− 0·122	...	...
552	... ...	+ 2·8403	+ 0·0144	...	− 19·317	− 0·104	...	...
553	54 Pegasi α	+ 2·9803	+ 0·0056	+ 0·003	− 19·336	− 0·107	+ 0·03	3050
554	Lacaille 9377 ...	+ 3·6739	− 0·0753	...	− 19·433	− 0·126	...	...
555	6 Piscium γ	+ 3·0592	+ 0·0005	0·049	− 19·591	− 0·087	− 0·02	3082
556	... ...	+ 3·5813	− 0·0721	...	− 19·610	− 0·103	...	...
557	... ...	+ 3·3140	− 0·0304	...	− 19·618	− 0·093	...	...
558	... ...	+ 3·3039	− 0·0290	...	− 19·619	− 0·093	...	...
559	... ...	+ 3·3663	− 0·0384	...	− 19·628	− 0·094	...	...
560	Groombridge 4040 ...	+ 2·1878	+ 0·0392	...	− 19·640	− 0·057	...	...

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Mean Positions of Stars for 1874, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
561	T Cephei, Var. 4	8·4	8	23	14	54·27	34	34	32·9	9	0·88
562	... ...	10·0	3	23	16	14·60	130	36	27·8	3	0·85
563	... ...	10·1	2	23	18	47·75	131	5	9·3	2	0·87
564	... ...	9·6	1	23	20	14·87	109	16	3·2	1	0·86
565	... ...	9·6	2	23	20	17·27	151	34	49·4	2	0·84
566	8 Piscium κ	5·0	...	23	20	28·36	89	26	2·1	6	0·90
567	Lacaille 9514	8·9	1	23	26	25·28	131	32	29·1	1	0·76
568	... ...	9·0	1	23	28	13·02	108	24	24·0	1	0·76
569	17 Piscium ι	4·3	...	23	33	28·14	85	3	21·1	10	0·91
570	35 Cephei γ	3·4	...	23	34	11·60	13	4	15·3	5	0·77
571	... ...	9·5	1	23	34	53·34	147	24	8·8	1	0·79
572	... ...	10·1	4	23	35	34·85	107	45	47·8	4	0·88
573	... ...	9·6	4	23	35	43·58	107	46	6·5	4	0·81
574	... ...	9·9	4	23	35	59·31	107	51	6·9	4	0·85
575	... ...	9·6	2	23	36	30·55	128	6	22·3	2	0·86
576	δ Sculptoris	4·6	...	23	42	21·60	118	49	36·2	9	0·90
577	... ...	9·4	2	23	43	14·73	150	50	45·2	2	0·80
578	... ...	9·4	1	23	43	18·45	129	40	27·4	1	0·71
579	... ...	9·0	5	23	43	34·12	85	18	6·4	5	0·81
580	... ...	9·5	1	23	48	2·79	150	42	32·2	1	0·77
581	G. C. Z. XXIII. 1321 ...	9·4	2	23	48	29·12	150	40	19·8	2	0·92
582	R Cassiopeiæ, Var. 3 ...	8·3	6	23	52	0·87	39	18	47·2	6	0·78
583	... ...	8·6	1	23	52	16·84	152	17	15·8	1	0·71
584	... ...	9·6	2	23	52	30·72	143	12	39·3	2	0·83
585	28 Piscium ω	4·2	...	23	52	50·50	83	50	1·7	4	0·91
586	30 Piscium	4·6	...	23	55	29·90	96	42	50·1	4	0·92
587	... ...	9·5	1	23	56	29·74	130	13	40·7	1	0·84
588	... ...	9·4	2	23	56	57·20	126	40	1·3	2	0·77
589	Taylor 10997	9·3	1	23	58	34·30	126	43	9·2	1	0·86
590	... ...	9·1	2	23	59	6·21	125	49	53·6	2	0·79

564—568—572—573—574.—Comparison stars for D'Arrest's comet in 1870.

579.—Comparison star for Ariadne in 1874.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
561	T Cephei, Var. 1 ...	+ 2·6930	+ 0·0316	...	− 19·668	− 0·069	...	...
562	... ...	+ 3·2958	+ 0·0295	...	− 19·689	− 0·084	...	...
563	... ...	+ 3·2807	− 0·0304	...	− 19·731	− 0·078	...	...
564	... ...	+ 3·1528	− 0·0111	...	− 19·753	− 0·071	...	...
565	... ...	+ 3·4982	− 0·0703	...	− 19·753	− 0·081	...	...
566	8 Piscium κ	+ 3·0699	0·0000	+ 0·004	− 19·757	− 0·069	+ 0·10	3116
567	Lacaille 9514 ...	+ 3·2451	− 0·0293	...	− 19·839	− 0·061	...	...
568	... ...	+ 3·1337	− 0·0101	...	− 19·861	− 0·054	...	...
569	17 Piscium ι	+ 3·0588	+ 0·0030	+ 0·023	− 19·921	− 0·042	+ 0·44	3148
570	35 Cephei γ	+ 2·4251	+ 0·0748	− 0·020	− 19·928	− 0·031	− 0·14	3152
571	... ...	+ 3·3008	− 0·0532	...	− 19·934	− 0·045	...	...
572	... ...	+ 3·1177	− 0·0092	...	− 19·941	− 0·039	...	...
573	... .	+ 3·1175	− 0·0092	...	− 19·942	− 0·039	...	...
574	... ...	+ 3·1172	− 0·0093	...	− 19·945	− 0·038	...	...
575	... ...	+ 3·1793	− 0·0244	...	− 19·949	− 0·039	...	...
576	δ Sculptoris	+ 3·1288	− 0·0161	+ 0·009	− 19·995	− 0·026	+ 0·10	Stone
577	... ...	+ 3·2474	− 0·0590	...	− 20·001	− 0·027	...	...
578	... ...	+ 3·1529	− 0·0251	...	− 20·001	− 0·025	...	...
579	... ...	+ 3·0643	+ 0·0034	...	− 20·003	− 0·023	...	...
580	... ...	+ 3·1965	− 0·0566	...	− 20·026	− 0·016	...	...
581	G. C. Z. XXIII. 1321.	+ 3·1918	− 0·0561	...	− 20·030	− 0·015	...	...
582	R Cassiopeiæ, Var. 3.	+ 3·0154	+ 0·0364	...	− 20·042	− 0·007	...	...
583	... ...	+ 3·1580	− 0·0590	...	− 20·042	− 0·008	...	...
584	... ...	+ 3·1307	− 0·0402	...	− 20·043	− 0·007	...	...
585	28 Piscium ω	+ 3·0677	+ 0·0047	+ 0·009	− 20·045	− 0·005	+ 0·11	3191
586	30 Piscium	+ 3·0752	− 0·0019	+ 0·002	− 20·051	0·000	+ 0·03	3197
587	... ...	+ 3·0896	− 0·0240	...	− 20·052	+ 0·001	...	...
588	... ...	+ 3·0854	− 0·0208	...	− 20·053	+ 0·003	...	...
589	Taylor 10997 ...	+ 3·0783	− 0·0206	...	− 20·054	+ 0·006	...	...
590	... ...	+ 3·0760	− 0·0198	...	− 20·054	+ 0·007	...	...

576.—Proper motions from *Stone's Cape Catalogue.*

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SEPARATE RESULTS

OF

OBSERVATIONS

OF THE FIXED STARS

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1875

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Separate Results of Madras Meridian Circle Observations in 1875.

Number and Date.	Magnitude.	Mean Right Ascension 1875. h. m. s.	No. of Wires.	Mean Polar Distance 1875. ° ′ ″	Observer.
1		**21 *Andromedæ α, Alpherat.***			
Nov. 23	...	0 1 55·91	...	61 36 0·2	R
2		***W. B. E.* 0·28.**			
Sep. 11	7·8	0 3 39·16	...	99 40 11·8	R
14	8·0	3 39·27	...	40 13·1	R
21	7·8	3 39·29	...	40 13·9	R
24	8·0	3 39·21	...	40 12·8	R
25	8·0	3 39·28	...	40 11·3	R
3		***W. B. E.* 0·41.**			
Sep. 22	9·1	0 4 5·68	...	99 59 10·0	R
28	9·2	4 5·67	...	59 8·4	R
Oct. 7	9·3	4 5·54	...	59 10·7	M
11	9·1	4 5·70	...	59 10·7	M
12	9·2	4 5·58	...	59 8·6	M
4		***W. B. E.* 0·76.**			
Sep. 29	9·5	0 5 58·49	...	99 24 19·7	R
Oct. 13	9·1	5 58·68	...	24 17·9	M
14	9·1	5 58·70	...	24 18·0	M
22	9·0	5 58·77	...	24 18·7	M
25	9·0	5 58·53	...	24 19·7	M
5		**88 *Pegasi γ, Algenib.***			
Nov. 27	...	0 6 47·99	...	75 30 42·7	R
29	...	6 47·99	...	30 42·5	R
6		***T Cassiopeiæ, Var.* 5.**			
Nov. 3	8·2	0 16 28·63	...	34 54 3·3	R
4	8·3	16 28·58	...	54 2·4	R
5	8·5	16 28·47	...	54 2·0	R
6	8·5	16 28·41	...	54 3·5	R
8	8·3	16 28·57	...	54 2·5	R
9	8·5	16 28·30	...	54 3·4	R
11	8·5	16 28·32	...	54 2·4	R
15	8·5	16 28·51	...	54 1·4	R
16	8·5	16 28·56	...	54 3·1	R
17	8·5	16 28·43	...	54 2·5	R
7		***S Ceti, Var.* 3.**			
Sep. 11	9·0	0 17 41·84	...	100 1 16·2	R
14	9·2	17 41·96	...	1 16·1	R
21	9·0	17 42·02	...	1 16·1	R
22	9·2	17 41·99	...	1 16·3	R
24	9·3	17 41·74	...	1 15·9	R
25	9·4	17 41·82	...	1 14·2	R
28	9·5	17 41·97	...	1 14·4	R
29	9·9	17 41·98	...	1 14·6	R
Oct. 2	9·7	17 42·06	...	1 16·0	M
11	10·1	17 42·12	...	1 18·3	M
8		**12 *Ceti.***			
Nov. 16	...	0 23 39·48	...	94 38 53·5	R
9		***T Piscium, Var.* 3.**			
Nov. 3	10·6	0 25 31·77	3	76 5 25·3	R
4	10·5	25 31·69	3	5 23·0	R
6	10·5	25 31·74	3	5 23·7	R
8	10·5	25 31·99	3	5 22·2	R
27	10·5	25 31·82	5	5 23·0	R
30	10·5	25 31·85	...	5 21·7	R
10		***Anon.***			
Sep. 28	10·5	0 25 56·54	...	76 5 34·8	R
Nov. 2	10·5	25 56·73	...	5 35·5	R
11		**16 *Ceti β***			
Nov. 12	...	0 37 18·79	...	108 40 22·4	R
29	...	37 18·86	...	40 23·0	R
30	...	37 19·01	...	40 23·1	R
12		***R. P. L.* 10.**			
Nov. 3	...	0 49 36·80	3	1 38 52·4	R
13		**2 *Ursæ Minoris.***			
Oct. 13	...	0 52 1·05	3	4 24 53·1	M
22	...	52 0·54	3	24 52·6	M
23	...	52 0·44	3	24 52·7	M
25	...	52 0·33	3	24 52·3	M

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Separate Results of Madras Meridian Circle Observations in 1875.

Number and Date.	Magnitude.	Mean Right Ascension 1875.			No. of Wires.	Mean Polar Distance 1875.			Observer.
		h.	m.	s.		°	′	″	
Nov. 1	...	0	52	1·13	3	4	24	53·2	R
4	...		51	59·64	3		24	53·5	R
25	...		52	1·26	3		24	51·7	R
Dec. 8	...		52	1·14	2		24	52·1	M

14 *R. P. L.* 14.

Nov. 2	...	0	55	28·23	3	3	31	15·3	R
19	..		55	27·14	3		31	15·5	R
30	...		55	27·20	3		31	13·9	R

R. P. L. 14.—*s.p.*

Mar. 24	...	0	55	27·89	3	3	31	16·9	R
Apl. 3	...		55	27·33	3		31	16·3	M

15 71 *Piscium* ε

Nov. 12	...	0	56	27·43	...	82	46	59·4	R
27	...		56	27·44	...		47	0·0	R
Dec. 2	...		56	27·40	...		46	59·7	M

16 *R. P. L.* 18.

Oct. 11	...	1	11	40·21	3	2	5	22·0	M
22	...		11	39·73	3		5	19·8	M
23	...		11	39·37	3		5	22·4	M
25	...		11	40·46	3		5	22·2	M
26	...		11	38·74	3		5	22·4	M
27	...		11	38·53	3		5	22·5	M
Nov. 16	...		11	38·91	3		5	23·3	R

R. P. L. 18—*s.p.*

Mar. 20	...	1	11	39·67	2	2	5	22·6	R

17 1 *Ursæ Minoris* α, *Polaris.*

Apl. 8	...	1	13	0·61	3	1	21	29·5	M
12	...		12	59·39	3		21	30·3	M

18 45 *Ceti* θ¹

Nov. 12	...	1	17	46·47	...	98	49	43·7	R
Dec. 1	...		17	46·36	...		49	44·0	M
2	...		17	46·55	...		49	44·5	M
10	...		17	46·54	...		49	44·1	M
11	...		17	46·57	...		49	44·7	M
14	...		17	46·56	...		49	43·4	M

19 99 *Piscium* η

Nov. 29	...	1	24	47·70	...	75	17	58·4	R
Dec. 1	...		24	47·95	...		17	59·1	M
2	...		24	47·68	...		17	58·8	M
8	...		24	47·77	...		17	58·2	M
10	...		24	47·67	...		17	59·1	M
14	...		24	47·72	...		17	56·0	M

20 106 *Piscium* ν

Nov. 30	...	1	34	55·58	...	85	8	42·2	R
Dec. 1	...		34	55·52	...		8	44·7	M
8	...		34	55·55	...		8	42·8	M
21	...		34	55·59	...		8	43·7	M

21 6 *Arietis* β

Nov. 30	...	1	47	44·05	...	69	48	11·5	R
Dec. 8	...		47	44·15	...		48	15·4	M
18	...		47	44·15	...		48	13·3	M
20	...		47	44·17	...		48	12·8	M
21	...		47	44·16	...		48	13·6	M
22	...		47	44·34	...		48	15·1	M

22 13 *Arietis* α

Nov. 20	...	2	0	7·67	...	67	7	45·4	R
Dec. 11	...		0	7·69	...		7	46·4	M
14	...		0	7·69	...		7	46·0	M
21	...		0	7·74	...		7	48·5	M
22	...		0	7·70	...		7	47·9	M

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Number and Date.	Magnitude.	Mean Right Ascension 1875.			No. of Wires.	Mean Polar Distance 1875.			Observer.
		h.	m.	s.		°	′	″	
23				*67 Ceti.*					
Jan. 5	...	2	10	45·05	...	96	59	55·4	R
Nov. 20	...		10	44·92	...		59	55·7	R
Dec. 20	...		10	44·86	...		59	57·3	M
22	...		10	44·77	...		59	57·6	M
25	...		10	44·88	...		59	57·1	M
24				*73 Ceti* ξ^2					
Jan. 2	...	2	21	30·84	...	82	6	3·0	R
5	...		21	30·81	...		6	2·1	R
Nov. 20	...		21	30·89	...		6	2·9	R
Dec. 10	...		21	30·84	...		6	5·1	M
25	...		21	30·81	4		6	4·8	M
25				*R. P. L.* 26.					
Jan. 8	...	2	25	22·36	3	3	29	57·8	R
Dec. 18	...		25	22·15	2		29	57·9	M
21	...		25	22·17	3		29	58·7	M
22	...		25	21·66	3		29	57·9	M
				R. P. L. 26—*s.p.*					
Apl. 6	...	2	25	21·78	3	3	30	0·6	M
15	...		25	22·16	3		30	1·1	M
16	...		25	21·08	3		30	1·7	M
17	...		25	21·50	3		29	58·2	M
21	...		25	20·68	3		30	0·0	M
May 5	...		25	20·26	3		30	1·3	R
6	...		25	22·15	3		30	2·2	R
7	...		25	21·98	3		30	2·8	R
8	...		25	21·74	3		30	1·2	R
10	...		25	21·66	3		30	0·3	R
26				*Lacaille* 849—*1st.*					
Oct. 22	8·1	2	36	18·08	...	150	6	17·9	M
25	8·0		36	18·14	...		6	18·7	M
27				*86 Ceti* γ^2					
Jan. 5	...	2	36	49·44	...	87	17	29·2	R
6	...		36	49·43	...		17	29·4	R
11	...		36	49·48	...		17	28·8	R
Jan. 13	...	2	36	49·49	...	87	17	29·2	R
Dec. 18	...		36	49·51	...		17	30·6	M
20	...		36	49·47	...		17	31·8	M
28				*T Arietis, Var.* 3.					
Oct. 26	8·1	2	41	21·56	...	73	0	48·4	M
27	8·2		41	21·51	...		0	50·2	M
29	8·3		41	21·59	...		0	49·8	M
30	8·3		41	21·60	...		0	48·8	M
Nov. 1	8·2		41	21·59	...		0	50·6	R
2	8·3		41	21·46	...		0	49·1	R
3	8·2		41	21·46	...		0	49·3	R
4	8·2		41	21·41	...		0	49·7	R
9	8·0		41	21·38	...		0	50·1	R
12	8·1		41	21·36	...		0	49·0	R
29				*Anon.*					
Jan. 12	10·0	2	46	10·63	...	150	9	39·1	R
13	10·0		46	10·59	...		9	39·6	R
14	10·1		46	10·52	...		9	37·0	R
16	10·0		46	10·72	...		9	32·5	R
18	10·0		46	10·69	...		9	34·3	R
30				92 *Ceti α, Menkar.*					
Jan. 2	...	2	55	44·73	...	86	24	4·1	R
6	...		55	44·70	...		24	4·4	R
11	...		55	44·60	...		24	5·2	R
12	...		55	44·85	...		24	5·5	R
14	...		55	44·65	...		24	3·9	R
16	...		55	44·82	...		24	6·4	R
Dec. 18	...		55	44·70	...		24	5·5	M
25	...		55	44·75	...		24	5·9	M
31				*R. P. L.* 33.					
Jan. 5	...	3	3	3·84	3	5	32	15·5	R
16	...		3	4·12	3		32	16·4	R
Dec. 25	...		3	4·98	2		32	15·2	M
				R. P. L. 33—*s.p.*					
Apl. 19	...	3	3	4·15	3	5	32	19·4	M
30	...		3	4·63	3		32	21·2	M
May 4	...		3	3·35	3		32	19·7	R
5	...		3	3·60	3		32	19·2	R
6	...		3	2·14	3		32	17·5	R

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h. m. s.	No. of Wires.	Mean Polar Distance 1875. ° ′ ″	Observer.
32		*57 Arietis δ*			
Jan. 8	...	3 4 28·91	...	70 44 53·1	R
11	...	4 29·14	...	44 52·4	R
13	...	4 29·09	...	44 52·8	R
14	...	4 28·96	...	44 52·1	R
18	...	4 29·04	...	44 48·8	R
33		*Anon.*			
Jan. 5	10·3	3 13 13·61	...	131 44 21·1	R
6	10·3	13 13·67	...	44 20·2	R
34		*R. P. L.* 34.			
Jan. 2	...	3 25 44·75	3	3 45 6·2	R
6	...	25 44·67	3	45 4·8	R
11	...	25 44·04	3	45 5·4	R
20	...	25 43·97	3	45 7·6	R
Nov. 27	...	25 44·05	3	45 7·0	R
		R. P. L. 34—*s.p.*			
Apl. 16	...	3 25 45·73	3	3 45 11·4	M
21	...	25 45·26	3	45 9·8	M
23	...	25 44·77	3	45 8·0	M
24	...	25 45·54	2	45 9·7	M
27	...	25 44·81	3	45 10·5	M
May 12	...	25 45·03	3	45 8·5	R
13	...	25 45·28	3	45 8·3	R
15	...	25 45·58	3	45 8·3	R
35		25 *Tauri η, Alcyone.*			
Jan. 2	...	3 40 3·38	...	66 17 0·6	R
6	...	40 3·45	...	16 59·2	R
8	...	40 3·42	...	16 59·9	R
12	...	40 3·29	...	17 1·6	R
13	...	40 3·25	...	17 1·0	R
16	...	40 3·30	...	17 0·1	R
18	...	40 3·33	...	16 57·4	R
20	...	40 3·34	...	16 59·5	R
22	...	40 3·33	...	16 58 5	R
26	...	40 3·32	...	16 59·5	R
28	...	40 3·45	...	16 57·2	R
Dec. 25	...	40 3·37	...	16 59·4	M

Number and Date.	Magnitude.	Mean Right Ascension. 1875. h. m. s.	No. of Wires.	Mean Polar Distance. 1875. ° ′ ″	Observer.
36		34 *Eridani* γ^1			
Jan. 8	...	3 52 11·84	...	103 51 56·0	R
12	...	52 11·78	...	51 55·0	R
14	...	52 11·95	...	51 55·9	R
20	...	52 11·82	...	51 57·2	R
22	...	52 11·88	...	51 54·5	R
26	...	52 11·76	...	51 55·0	R
27	...	52 11·81	...	51 53·6	R
29	...	52 11·84	...	51 56·0	R
Dec. 11	...	52 11·77	...	51 56·2	M
37		*R. P. L.* 35.			
Jan. 13	...	3 57 57·95	3	4 46 39·9	R
18	...	57 57·88	3	46 39·0	R
28	...	57 57·82	3	46 37·9	R
		R P. L. 35—*s p.*			
Apl. 13	...	3 57 56·77	3	4 46 42·4	M
June 9	...	57 59·03	5	46 42·2	M
July 16	...	57 58·72	3	46 42·9	R
3		*Lalande* 7655.			
Dec. 21	8·0	4 1 4·42	...	70 35 53·5	M
22	8·0	1 4·66	...	35 53·3	M
25	8·0	1 4·63	...	35 53·2	M
39		*Anon.*			
Jan. 27	10·0	4 3 6·40	...	67 14 27·9	R
28	10·0	3 6·38	...	14 27·8	R
29	10·0	3 6·14	...	14 26·4	R
30	10·0	3 6·28	...	14 26·6	R
40		*Anon.*			
Nov. 19	10·0	4 4 2·46	...	ε 28·2	R
20	10·0	4 2·66	...	·9	R
41		*T Tauri, Var.* 4.			
Jan. 6	10·8	4 4 27·57	4	60 30 55·1	R
8	11·0	4 27 76	2	30 56 5	R
11	11·0	4 27·54	3	30 54 0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
42			*Anon.*						
Jan. 20	10·2	4	5	12·60	...	67	14	47·2	R
Nov. 23	10·0		5	12·93	...		14	48·3	R
27	10·0		5	12·85	...		14	48·4	R
29	10·0		5	12·77	...		14	[illegible]	R
30	10·0		5	12·61	...		14	43·8	R
43			*Anon.*						
Feb. 2	10·0	4	5	38·97	...	67	13	57·3	M
3	9·9		5	38·90	...		13	57·1	M
4	10·0		5	38·78	...		13	58·4	M
5	9·8		5	38·72	...		13	58·5	M
6	9·8		5	38·82	...		13	58·2	M
44			38 *Eridani o*¹						
Jan. 16	...	4	5	45·78	...	97	9	53·1	R
23	...		5	45·84	...		9	51·9	R
45			*U Tauri, Var.* 7.						
Feb. 2	9·7	4	14	32·09	...	70	29	0·0	M
46			74 *Tauri ε*						
Jan. 18	...	4	21	19·10	...	71	5	53·2	R
20	...		21	19·11	...		5	56·1	R
21	...		21	19·05	...		5	55·8	R
22	...		21	19·07	...		5	54·8	R
27	...		21	19·09	...		5	53·9	R
29	...		21	19·09	...		5	56·4	R
Feb. 6	...		21	19·15	...		5	56·1	M
47			*Anon.*						
Nov. 29	9·8	4	22	19·41	...	70	38	9·2	R
30	9·7		22	19·29	...		38	6·4	R
Dec. 1	9·7		22	19·53	4		38	9·6	M
8	9·5		22	19·19	...		38	9·5	M
11	9·5		22	19·36	...		38	9·2	M
48			*Anon.*						
Jan. 5	10·1	4	22	38·48	...	80	26	33·6	R
6	10·1		22	38·44	...		26	33·0	R
49			87 *Tauri α, Aldebaran.*						
Jan. 21	...	4	28	45·05	...	73	44	38·9	R
23	...		28	44·94	...		44	37·2	R
28	...		28	44·88	...		44	38·6	R
30	...		28	44·99	...		44	39·3	R
50			*V Tauri, Var.* 8.						
Jan. 11	10·0	4	44	48·45	...	72	40	36·5	R
12	10·0		44	48·53	...		40	37·1	R
13	10·0		44	48·57	...		40	35·9	R
14	10·1		44	48·49	...		40	38·0	R
16	9·9		44	48·41	...		40	33·6	R
18	9·9		44	48·41	...		40	34·4	R
20	9·9		44	48·61	...		40	35·1	R
21	9·8		44	48·57	...		40	33·9	R
22	9·8		44	48·34	...		40	32·5	R
27	9·8		44	48·50	...		40	34·4	R
51			3 *Aurigæ ι*						
Jan. 23	...	4	48	51·23	...	57	2	1·6	R
26	...		48	51·33	...		2	3·4	R
29	...		48	51·26	...		2	3·2	R
Feb. 1	...		48	51·25	...		2	1·7	M
3	...		48	51·41	...		2	2·9	M
4	...		48	51·38	...		2	2·5	M
5	...		48	51·51	...		2	3·2	M
6	...		48	51·40	...		2	3·2	M
52			2 *Leporis ε*						
Jan. 21	...	5	0	10·09	...	112	32	24·9	R
27	...		0	10·13	...		32	24·3	R
28	...		0	10·12	...		32	26·0	R
Feb. 2	...		0	10·15	...		32	26·1	M
3	...		0	10·16	...		32	26·3	M
4	...		0	10·13	...		32	25·4	M
5	...		0	10·05	...		32	26·2	M
53			112 *Tauri β*						
Jan. 30	...	5	18	23·43	...	61	30	3·7	R
Feb. 1	...		18	23·57	...		30	1·9	M
2	...		18	23·56	...		30	2·0	M

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h. m. s.	No. of Wires.	Mean Polar Distance 1875. ° ′ ″	Observer.
Feb. 3	...	5 18 23·35	...	61 30 1·6	M
4	...	18 23·40	...	30 1·0	M
5	...	18 23·34	...	30 2·9	M
8	...	18 23·45	...	30 2·6	M
54	*R. P. L. 40—s.p.*				
May 15	...	5 22 8·14	3	4 52 27·5	R
18	...	22 8·65	3	52 28·5	R
19	...	22 8·58	3	52 27·0	R
20	...	22 8·69	3	52 27·1	R
55	34 *Orionis δ, Var.* 1.				
Feb. 2	...	5 25 37·20	....	90 23 37 5	M
6	...	25 37·10	...	23 35·7	M
8	...	25 37·31	...	23 36·3	M
56	46 *Orionis ε*				
Feb. 1	...	5 29 52·15	...	91 17 1·0	M
57	*R. P. L.* 42.				
Jan. 30	...	5 32 27·20	3	2 41 12·1	R
	R. P. L. 42—s.p.				
May 26	...	5 32 26·67	3	2 41 12 3	R
28	...	32 26·76	3	41 9·8	R
Aug. 28	...	32 28·00	3	41 12·9	M
30	...	32 27·69	3	41 12·7	M
58	58 *Orionis α, Var.* 2.				
Jan. 30	...	5 48 24·61	...	82 37 4·9	R
Feb. 8	...	48 24·27	...	37 5·8	M
59	*Anon.*				
Jan. 21	9·0	5 51 27·08	...	141 51 50·9	R
23	9·0	51 27·09	...	51 54·7	R
26	9·1	51 26·95	...	51 52·7	R
27	9 8	51 26·78	...	51 51·8	R

Number and Date.	Magnitude.	Mean Right Ascension 1875. h. m. s.	No. of Wires.	Mean Polar Distance 1875. ° ′ ″	Observer.
60	*R. P. L. 43—s.p.*				
May 22	...	5 56 53·78	3	3 14 17·6	R
24	...	56 53·84	3	14 17·7	R
June 8	...	56 54·25	3	14 19·9	M
61	67 *Orionis ν*				
Feb. 11	...	6 0 26·17	...	75 13 5 5	M
62	*Lalande* 12072.				
Jan. 16	7·5	6 13 46·15	...	68 48 54·3	R
18	7·5	13 46·30	...	48 51·6	R
63	13 *Geminorum μ*				
Feb. 10	...	6 15 23·88	...	67 25 27·9	M
Mar. 2	...	15 23·83	...	25 28 7	R
64	24 *Geminorum γ*				
Feb. 10	...	6 30 29·52	...	73 29 45·9	M
11	...	30 29·35	...	29 46·6	M
12	...	30 29·45	...	29 45·2	M
13	...	30 29·50	...	29 45·5	M
15	...	30 29·39	...	29 44·9	M
16	...	30 29 50	...	29 47·9	M
18	...	30 29·46	...	29 47·6	M
19	...	30 29·53	...	29 45·9	M
65	*R Monocerotis, Var.* 1.				
Mar. 3	...	6 32 20·23	...	81 9 14·4	R
4	...	32 20·21	...	9 10·2	R
5	...	32 20·42	...	9 14·2	R
66	15 *Monocerotis, Var.* 2.				
Mar. 6	4·7	6 34 5·91	...	79 59 24·5	R
8	4·8	34 5·74	..	59 21·5	R
9	4·9	34 5·75	...	59 24·0	R
10	4·9	34 5·68	...	59 24·6	R
11	5·3	34 5·68	...	59 23·9	R
12	4·9	34 5·78	...	59 23·7	R
13	4·9	34 5·68	...	59 24·2	R
15	5·0	34 5·71	...	59 23·6	R
16	5·0	34 5·94	...	59 24·5	R
17	5·1	34 5·88	...	59 25·0	R

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Number and Date.	Magnitude.	Mean Right Ascension. 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance. 1875. °	′	″	Observer.
67			51 *Cephei (Hev.).*						
Feb. 2	...	6	41	15·22	3	2	45	56 2	M
11	...		41	16·33	3		45	55 0	M
13	...		41	15·62	3		45	56·8	M
			51 *Cephei (Hev.).—s.p.*						
June 4	...	6	41	15·95	3	2	46	0·2	M
22	...		41	16·40	3		45	58·9	M
25	...		41	15·84	3		45	57·2	M
26	...		41	15 33	2		45	57·6	M
29	...		41	16·08	3		46	0·5	M
30	...		41	15 47	3		45	59·0	M
Aug. 9	...		41	16·22	3		45	57·5	M
17	...		41	15·17	3		45	59·3	M
18	...		41	15·26	3		45	58·8	M
20	...		41	15·36	3,		45	59·6	M
21	...		41	15·77	3		45	58·7	M
23	...		41	15·92	3		45	57·7	M
24	...		41	16·30	3		45	59·2	M
68			*W. B. N. VI.* 1361.						
Feb. 15	9·0	6	46	5·89	...	70	34	59·0	M
16	9 0		46	5·85	...		35	1·1	M
17	9·0		46	5·85	...		35	0·9	M
18	9·0		46	5·75	...		35	1·9	M
19	9·0		46	5·91	...		34	59·7	M
69			21 *Canis Majoris ε*						
Feb. 9	...	6	53	42·85	...	118	48	14·1	M
10	...		53	42·73	...		48	10·3	M
11	...		53	42·80	...		48	10·6	M
12	...		53	42·80	...		48	12·0	M
13	...		53	42·77	...		48	11·5	M
16	...		53	42·80	...		48	11·8	M
17	...		53	42·73	...		48	12·4	M
18	...		53	42·64	...		48	11·9	M
19	...		53	42·83	...		48	11·8	M
24	...		53	42·76	...		48	10·9	M
26	...		53	42·86	...		48	13 0	M
27	...		53	42·86	...		48	11·2	M
Mar. 1	...		53	42·74	...		48	12·8	R
4	...		53	42·76	...		48	12·6	R
9	...		53	42·78	...		48	10·6	R
70			23 *Canis Majoris γ*						
Feb. 12	...	6	58	6·17	...	105	26	59·6	M
13	...		58	6·16	...		27	1·1	M
15	...		58	6·19	...		26	59·9	M
16	...		58	6·15	...		27	1·1	M
17	...		58	6·24	...		27	0·9	M
19	...		58	6·07	...		27	0·1	M
24	...		58	6·19	...		26	59·6	M
25	...		58	6·22	...		26	59·6	M
26	...		58	6·15	...		27	1·2	M
27	...		58	6·11	...		27	0·9	M
Mar. 1	...		58	6·24	...		27	0·5	R
3	...		58	6·22	...		26	58·8	R
5	...		58	6· 4	...		26	58·8	R
8	...		58	6·23	...		27	0·8	R
71			66 *Geminorum α², Castor.*						
Feb. 15	...	7	26	37·39	...	57	50	23·2	M
17	...		26	37·41	...		50	21·9	M
18	...		26	37·46	...		50	22·6	M
20	...		26	37·28	...		50	22·7	M
22	...		26	37·37	...		50	22·6	M
23	...		26	37·31	...		50	21·8	M
24	...		26	37·41	...		50	22·9	M
25	...		26	37·53	...		50	23·0	M
26	...		26	37·36	...		50	21·9	M
27	...		26	37·40	...		50	23·1	M
Mar. 6	...		26	37·31	...		50	21·2	R
10	...		26	37·34	...		50	21·4	R
13	...		26	37·36	...		50	21·4	R
72			*R. P. L.* 45—*s.p.*						
June 30	...	7	29	0·52	2	1	0	24·5	M
July 2	...		29	1·11	2		0	22·8	R
Aug. 18	...		29	2·11	3		0	24·9	M
20	...		29	0·75	4		0	24·2	M
23	...		29	0·90	3		0	24·7	M
73			10 *Canis Minoris α, Procyon.*						
Feb. 9	...	7	32	45·46	...	84	27	23·4	M
20	...		32	45·41	...		27	22·8	M
22	...		32	45·37	...		27	22·5	M

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Feb. 23	...	7 32 45·37	...	84 27 22·9	M
25	...	32 45·34	...	27 22·5	M
Mar. 2	...	32 45·40	...	27 23·3	R
6	...	32 45·55	...	27 21·4	R
11	...	32 45·41	...	27 20·5	R
15	...	32 45·50	...	27 21·2	R
74	78 *Geminorum β, Pollux.*				
Feb. 20	...	7 37 40·05	...	61 40 25·9	M
22	...	37 39·99	...	40 27·8	M
23	...	37 40·06	...	40 25·1	M
Mar. 5	...	37 39·84	...	40 24·8	R
10	...	37 39·86	...	40 25·4	R
75	*Taylor* 3290.				
Feb. 8	7·6	7 46 33·45	...	144 29 38·8	M
9	7·7	46 33·44	...	29 37·8	M
11	7·8	46 33·61	...	29 37·5	M
13	7·8	46 33·48	5	29 37·7	M
76	*R. P. L.* 49.				
Mar. 6	...	7 46 43·87	3	5 35 18·2	R
10	...	46 43·94	3	35 16·7	R
77	*Anon.*				
Mar. 2	11·5	7 47 48·91	...	67 44 26·4	R
3	11·5	47 48·73	...	44 26·4	R
78	*W. B. E.* VII. 1477.				
Feb. 18	8·8	7 51 8·56	...	77 38 11·3	M
19	8·8	51 8·63	...	38 10·6	M
26	8·9	51 8·59	...	38 10·3	M
27	8·9	51 8·60	...	38 10·9	M
Mar. 1	8·8	51 8·66	...	38 10·8	R
79	*Anon.*				
Feb. 3	9·6	7 52 19·19	6	151 42 13·6	M
80	*Anon.*				
Feb. 12	9·2	7 53 44·78	...	77 48 57·6	M
13	9·3	53 44·95	...	48 57·2	M
15	9·3	53 44·64	...	48 57·2	M
16	9·3	53 44·93	...	48 58·8	M
17	9·4	53 45·05	...	48 59·9	M
81	*Anon.*				
Feb. 20	9·3	7 53 51·89	...	149 55 27·3	M
22	9·5	53 51·95	...	55 28·2	M
23	9·4	53 52·19	...	55 25·6	M
24	9·4	53 51·92	...	55 28·8	M
25	9·4	53 52·00	...	55 29·4	M
82	*Anon.*				
Feb. 9	9·1	7 53 55·49	5	149 54 32·1	M
11	9·3	53 55·39	...	54 32·3	M
83	6 *Cancri.*				
Mar. 3	...	7 55 50·26	...	61 51 25·6	R
4	...	55 50·26	...	51 25·6	R
6	...	55 50·24	...	51 25·5	R
9	...	55 50·25	...	51 24·8	R
11	...	55 50·25	...	51 24·3	R
84	15 *Argus ι*				
Mar. 1	...	8 2 13·32	...	113 56 43·7	R
2	...	2 13·38	...	56 43·2	R
5	...	2 13·28	...	56 41·8	R
8	...	2 13·29	...	56 42·8	R
10	...	2 13·28	...	56 43·6	R
12	...	2 13·19	...	56 41·6	R
16	...	2 13·23	...	56 42·8	R
85	*Lalande* 16007.				
Feb. 11	8·0	8 4 52·42	...	78 26 48·6	M
12	8·0	4 52·42	...	26 47·8	M
13	8·0	4 52·48	...	26 48·4	M
15	8·0	4 52·21	...	26 48·3	M
16	8·0	4 52·54	...	26 48·4	M

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86			*Anon.*						
Feb. 8	9·5	8	12	10·64	5	131	52	35·7	M
9	9·7		12	10·81	4		52	35·5	M
10	9·6		12	10·92	...		52	31·6	M
11	9·7		12	10·75	5		52	34·0	M
13	9·7		12	10·94	5		52	34·0	M
87			*Anon.*						
Feb. 15	9·5	8	12	18·24	4	131	44	52·1	M
16	9·6		12	18·34	...		44	50·1	M
17	9·5		12	18·19	...		44	50·6	M
18	9·5		12	18·14	...		44	50·9	M
88			*V Cancri, Var.* 5.						
Mar. 4	7·8	8	14	35·92	...	72	19	11·4	R
5	7·8		14	35·74	...		19	12·7	R
6	8·2		14	35·68	...		19	11·8	R
8	8·6		14	35·51	...		19	12·9	R
9	9·0		14	35·71	...		19	12·1	R
10	9·4		14	35·60	...		19	12·1	R
11	9·5		14	35·64	...		19	11·2	R
12	9·5		14	35·61	...		19	11·1	R
13	9·6		14	35·64	...		19	12·7	R
15	9·7		14	35·53	...		19	11·4	R
89			20 *Cancri* d^1.						
Feb. 19	6·0	8	16	12·27	5	71	16	5·9	M
90			33 *Cancri* η						
Mar. 4	...	8	25	28·73	...	69	8	6·8	R
9	...		25	28·71	...		8	6·8	R
11	...		25	28·76	...		8	6·2	R
15	...		25	28·68	...		8	6·8	R
17	...		25	28·62	...		8	7·5	R
91			*U Cancri, Var.* 4.						
Feb. 22	10·3	8	28	36·82	...	70	40	32·9	M
23	10·4		28	37·73	...		40	34·7	M
24	10·4		28	37·51	...		40	24·1	M
25	10·4		28	37·57	...		40	27·1	M
26	10·5		28	37·46	...		40	25·0	M
Mar. 2	10·0		28	36·89	...		40	31·5	R
92			11 *Hydræ* ε						
Feb. 9	...	8	40	9·33	...	83	7	26·1	M
Mar. 3	...		40	9·33	...		7	26·4	R
12	...		40	9·37	...		7	24·6	R
13	...		40	9·31	...		7	25·4	R
16	...		40	9·27	...		7	24·4	R
17	...		40	9·33	...		7	24·6	R
93			*R. P. L.* 60.						
Feb. 17	...	8	48	55·15	3	5	19	20·3	M
Mar. 3	...		48	53·75	3		19	18·7	R
			R. P. L. 60—*s.p.*						
Oct. 7	...	8	48	55·55	3	5	19	23·1	M
94			83 *Cancri.*						
Mar. 12	...	9	12	0·13	...	71	45	57·2	R
95			*R. P. L.* 69.						
Mar. 17	...	9	36	23·55	3	2	49	43·1	R
96			17 *Leonis* ε						
Mar. 13	...	9	38	45·20	...	65	39	3·2	R
15	...		38	45·18	...		39	3·1	R
18	...		38	45·17	...		39	4·4	R
97			*R. P. L.* 70.						
Mar. 13	...	9	48	16·23	3	5	28	54·2	R
20	...		48	16·59	3		28	52·8	R
			R. P. L. 70—*s.p.*						
Aug. 18	...	9	48	16·25	3	5	28	53·7	M
98			29 *Leonis* π						
Mar. 16	...	9	53	36·45	...	81	21	23·8	R

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99		*Taylor* 4503.							
Feb. 9	8·0	10	1	33·27	...	77	23	36·4	M
10	8·0		1	33·28	...		23	34·5	M
11	8·1		1	33·46	...		23	34·7	M
12	8·0		1	33·23	...		23	35·4	M
15	8·0		1	33·24	...		23	35·4	M
100		32 *Leonis a, Regulus.*							
Mar. 17	...	10	1	42·87	...	77	25	20·7	R
20	...		1	42·81	...		25	21·3	R
29	...		1	42·85	...		25	22·0	M
101		*R. P. L.* 72.							
Feb. 19	...	10	11	9·67	3	5	6	55·5	M
		R. P. L. 72—*s.p.*							
Sep. 7	...	10	11	8·32	2	5	6	54·3	R
102		41 *Leonis* γ^1							
May 19	...	10	13	4·68	...	69	31	38·3	R
27	...		13	4·68	...		31	39·0	M
29	...		13	4·77	...		31	38·1	M
Apl. 1	...		13	4·81	...		31	37·6	M
103		30 *Sextantis.*							
Feb. 20	6·0	10	23	53·99	...	89	59	46·0	M
22	6·0		23	54·11	...		59	46·8	M
104		*Anon.*							
Feb. 23	10·5	10	23	57·46	5	76	8	38·1	M
105		47 *Leonis* ρ							
Mar. 18	...	10	26	13·73	...	80	3	0·5	R
22	...		26	13·62	...		3	0·5	R
29	...		26	13·58	...		3	2·3	M
Apl. 1	...		26	13·71	...		3	2·0	M
2	...		26	13·68	...		3	1·9	M
3	...		26	13·72	...		3	2·3	M
106		*Taylor* 4850—*1st.*							
Mar. 13	9·3	10	39	4·74	...	148	53	46·0	R
15	9·5		39	4·49	...		53	42·7	R
16	9·5		39	4·48	...		53	43·9	R
107		*Taylor* 4852—*2nd.*							
Mar. 17	9·2	10	39	19·01	...	148	55	19·0	R
108		53 *Leonis l.*							
Mar. 18	...	10	42	41·12	...	78	47	35·3	R
22	...		42	41·20	...		47	35·2	R
23	...		42	41·10	...		47	35·7	R
25	...		42	41·12	...		47	34·6	R
26	...		42	41·12	...		47	34·2	R
27	...		42	41·15	...		47	37·9	M
31	...		42	41·07	...		47	36·2	M
Apl. 2	...		42	41·12	...		47	37·7	M
3	...		42	41·17	...		47	37·5	M
7	...		42	41·13	...		47	37·3	M
109		63 *Leonis* χ							
Mar. 20	...	10	58	34·03	...	81	59	18·6	R
24	...		58	34·13	...		59	16·4	R
26	...		58	34·12	...		59	15·9	R
27	...		58	34·05	...		59	19·1	M
31	...		58	34·13	...		59	17·6	M
Apl. 6	...		58	34·08	...		59	18·8	M
7	...		58	34·06	...		59	17·7	M
8	...		58	34·13	...		59	17·7	M
9	...		58	34·11	...		59	18·9	M
10	...		58	34·02	...		59	18·7	M
12	...		58	34·07	...		59	17·8	M
110		68 *Leonis* δ							
Mar. 19	...	11	7	27·57	...	68	47	30·1	R
23	...		7	27·41	...		47	28·9	R
25	...		7	27·48	...		47	26·2	R
31	...		7	27·52	...		47	27·6	R
Apl. 1	...		7	27·43	...		47	29·1	M
2	...		7	27·58	...		47	30·1	M
3	...		7	27·44	...		47	30·2	M

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Apl. 6	...	11	7	27·59	...	68	47	31·0	M
7	...		7	27·52	...		47	30·2	M
8	...		7	27·46	...		47	29·6	M
9	...		7	27·47	...		47	29·1	M
12	...		7	27·58	...		47	29·7	M
13	...		7	27·37	...		47	30·0	M
14	...		7	27·47	...		47	30·1	M
111		*12 Crateris δ*							
Mar. 19	...	11	13	5·52	...	104		8·1	R
24	...		13	5·56	...		6	5·9	R
26	...		13	5·47	...		6	6·8	R
Apl. 10	...		13	5·57	...		6	6·6	M
12	...		13	5·50	...		6	7·6	M
13	...		13	5·60	...		6	8·3	M
14	...		13	5·59	...		6	7·8	M
112		*Anon.*							
Feb. 24	10·5	11	27	0·50	...	151	41	24·9	M
25	10·5		27	0·69	...		41	29·1	M
113		*91 Leonis υ*							
Mar. 22	...	11	30	32·86	...	90	7	59·7	R
24	...		30	32·78	...		7	58·5	R
25	...		30	32·89	...		7	59·6	R
Apl. 5	...		30	32·93	...		8	1·5	M
6	...		30	32·80	...		8	1·3	M
8	...		30	32·90	...		7	59·8	M
9	...		30	32·90	..		7	59·3	M
15	...		30	32·92	...		7	59·6	M
16	...		30	32·81	...		8	0·6	M
17	...		30	33·00	...		8	1·1	M
114		*94 Leonis β, Deneb.*							
Mar. 20	...	11	42	41·06	...	74	43	45·3	R
23	...		42	41·06	...		43	43·2	R
Apl. 5	...		42	40·93	...		43	45·8	M
10	...		42	40·97	...		43	45·6	M
13	...		42	41·05	...		43	44·4	M
14	...		42	40·96	...		43	46·6	M
16	...		42	41·01	...		43	45·8	M
17	...		42	40·90	...		43	46·4	M

Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
115		*R. P. L. 87—s.p.*							
Sep. 21	...	11	53	0·42	3	2	18	34·0	R
22	...		53	0·48	3		18	34·1	R
25	...		52	59·77	3		18	35·8	R
28	...		53	2·81	3		18	33·3	R
Oct. 7	...		53	1·49	3		18	33·1	M
13	...		53	1·49	2		18	36·9	M
22	...		53	0·34	2		18	36·2	M
116		*R. P. L. 89—s.p.*							
Oct. 25	...	11	58	27·52	1	3	43	13·7	M
117		*2 Corvi ε*							
Apl. 15	...	12	3	41·91	...	111	55	27·5	M
May 1	...		3	42·00	...		55	27·8	R
118		*R. P. L. 90.*							
Feb. 20	...	12	7	19·69	3	2	22	21·0	M
23	...		7	20·26	7		22	19·1	M
24	...		7	21·67	3		22	17·9	M
25	...		7	21·45	3		22	21·1	M
26	...		7	21·75	3		22	21·4	M
		R. P. L. 90—s.p.							
Oct. 23	...	12	7	20·31	3	2	22	20·6	M
Nov. 4	...		7	19·48	3		22	21·8	R
119		*T Virginis, Var. 4.*							
Mar. 18	9·6	12	8	11·85	...	95	20	29·4	R
19	9·8		8	11·93	...		20	29·2	R
20	9·8		8	11·99	...		20	29·3	R
22	10·1		8	11·90	...		20	26·7	R
23	9·9		8	12·11	...		20	26·2	R
24	9·8		8	12·14	...		20	25·6	R
25	...		8	11·79	...		20	26·1	R
26	9·8		8	11·96	...		20	25·6	R
Apl. 3	9·8		8	11·82	...		20	28·2	M
5	9·7		8	11·79	...		20	27·2	M

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
120				*Anon.*					
Apl. 13	8·6	12	8	37·73	...	138	27	15·5	M
14	8·6		8	37·65	...		27	16·0	M
15	8·6		8	37·62	...		27	16·5	M
16	8·7		8	37·58	...		27	17·3	M
24	8·8		8	37·55	...		27	16·9	M
121				*Anon.*					
Apl. 17	9·5	12	10	31·40	...	138	29	42·7	M
27	9·7		10	31·34	...		29	46·4	M
28	9·6		10	31·42	...		29	43·4	M
May 4	9·6		10	31·29	...		29	43·2	R
122				*Anon.*					
Mar. 24	9·0	12	11	25·37	5	138	25	34·9	R
25	...		11	25·56	...		25	37·7	R
26	9·0		11	25·33	...		25	37·5	R
123				*R. P. L.* 92.					
Apl. 9	...	12	13	12·92	3	2	52	8·1	M
23	...		13	13·00	5		52	9·1	M
May 5	...		13	13·31	3		52	8·3	R
				R. P. L. 92—*s.p.*					
Oct. 26	...	12	13	13·89	3	2	52	11·2	M
29	...		13	11·97	2		52	11·6	M
30	...		13	13·73	1		52	13·6	M
124				*R. P. L.* 93.					
Apl. 8	...	12	14	20·03	3	1	36	24·9	M
26	...		14	21·22	2		36	24·3	M
29	...		14	20·52	3		36	25·1	M
30	...		14	22·39	3		36	24·8	M
May 6	...		14	19·20	3		36	23·6	R
7	...		14	19·35	3		36	25·0	R
8	...		14	19·89	3		36	26·1	R
10	...		14	18·27	3		36	26·0	R
12	...		14	21·63	3		36	24·3	R
				R. P. L. 93—*s.p.*					
Oct. 28	...	12	14	22·33	3	1	36	26·5	M
29	...		14	21·40	3		36	25·6	M
Nov. 1	...		14	21·74	2		36	24·9	R
125				*Anon.*					
Mar. 18	9·0	12	17	55·33	...	24	46	44·1	R
19	9·0		17	55·33	...		46	44·5	R
126				*a Crucis*—*2nd.*					
Feb. 26	...	12	19	40·34	...	152	24	25·7	M
27	...		19	40·23	...		24	26·0	M
Mar. 22	...		19	40·15	...		24	28·0	R
23	...		19	40·05	...		24	26·0	R
24	...		19	40·17	...		24	24·7	R
127				*Anon.*					
May 13	9·5	12	25	11·77	...	151	48	34·2	R
15	9·5		25	11·53	...		48	34·6	R
128				9 *Corvi* β					
Apl. 16	...	12	27	49·31	...	112	42	22·4	M
20	...		27	49·40	...		42	18·7	M
22	...		27	49·38	...		42	17·3	M
May 4	...		27	49·29	...		42	19·0	R
129				*R. P. L.* 98—*s.p.*					
Nov. 16	...	12	48	5·97	3	5	54	10·5	R
19	...		48	8·38	3		54	6·7	R
30	...		48	8·42	3		54	7·1	R
130				*R. P. L.* 99.					
Apl. 3	...	12	48	16·02	3	5	54	26·2	M
				R. P. L. 99—*s.p.*					
Oct. 11	...	12	48	14·35	3	5	54	26·6	M

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131 12 *Canum Venaticorum* α

Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
Apl. 15	...	12	50	10·62	...	51	0	22·1	M
17	...		50	10·59	...		0	23·8	M
19	...		50	10·79	...		0	22·4	M
20	...		50	10·74	...		0	22·0	M
21	...		50	10·75	...		0	23·2	M
22	...		50	10·69	...		0	22·2	M
23	...		50	10·71	...		0	23·2	M
24	...		50	10·72	...		0	20·7	M
26	...		50	10·69	...		0	22·8	M
27	...		50	10·57	...		0	21·7	M
28	...		50	10·74	...		0	22·1	M
29	...		50	10·64	...		0	22·1	M
30	...		50	10·74	...		0	20·8	M

132 51 *Virginis* θ

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Apl. 19	...	13	3	28·56	...	94	52	16·0	M
20	...		3	28·52	...		52	16·4	M
21	...		3	28·74	...		52	15·1	M
23	...		3	28·73	...		52	16·5	M
24	...		3	28·67	...		52	15·6	M
26	...		3	28·68	...		52	14·5	M
27	...		3	28·79	...		52	15·1	M
28	...		3	28·68	...		52	15·5	M
29	...		3	28·74	...		52	16·0	M
30	...		3	28·72	...		52	14·2	M
May 4	...		3	28·74	...		52	14·1	R
5	...		3	28·75	...		52	15·2	R
7	...		3	28·79	...		52	14·7	R
10	...		3	28·71	...		52	16·0	R
13	...		3	28·75	...		52	16·4	R
31	...		3	28·74	...		52	16·8	R

133 *R. P. L.* 101.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Mar. 23	...	13	8	30·95	3	1	40	49·5	R
24	...		8	30·88	3		40	49·7	R

R. P. L. 101—*s.p.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Dec. 8	...	13	8	28·41	3	1	40	51·1	M

134 67 *Virginis* α, *Spica.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Apl. 19	...	13	18	36·55	6	100	30	29.5	M
21	...		18	36·39	...		30	29·4	M
22	...		18	36·47	...		30	28·7	M
23	...		18	36·44	...		30	30·0	M
24	...		18	36·49	...		30	28·4	M
26	...		18	36·51	...		30	28·2	M
27	...		18	36·54	...		30	28·3	M
28	...		18	36·47	...		30	28·4	M
May 3	...		18	36·54	...		30	27·0	R
14	...		18	36·49	...		30	28·0	R

135 *W Virginis, Var.* 9.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Mar. 19	9·3	13	19	35·28	...	92	43	41·4	R
20	9·5		19	35·25	...		43	40·9	R
22	9·5		19	35·12	...		43	39·3	R
23	9·5		19	35·26	...		43	39·8	R
24	9·5		19	35·25	...		43	38·7	R
25	...		19	35·39	...		43	36·9	R
26	9·6		19	35·25	...		43	38·8	R
Apl. 3	9·9		19	35·12	...		43	40·3	M
6	9·9		19	35·37	...		43	42·4	M
7	10.0		19	35·09	...		43	42·5	M

136 *R. P. L.* 103—*s.p.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Oct. 30	...	13	19	45·24	3	4	35	34·5	M
Nov. 1	...		19	44·14	3		35	31·6	R
2	...		19	45·35	7		35	32·4	R
3	...		19	44·78	7		35	32·5	R

137 *V Virginis, Var.* 7.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Apl. 29	9·9	13	21	21·07	...	92	31	31·4	M
30	9·9		21	20·91	...		31	28·3	M
May 1	9·9		21	21·11	...		31	27·2	R
4	10·0		21	20·93	...		31	26·8	R
6	10·1		21	21·29	...		31	26·7	R
7	10·5		21	21·25	...		31	26·4	R
8	10·5		21	21·00	...		31	27·7	R

138 *Anon.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
May 13	10·9	13	23	51·92	...	88	41	39·8	R
15	10·9		23	51·95	...		41	39·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
139		*79 Virginis ζ*							
Apl. 5	...	13	28	19·44	...	89	57	22·6	M
May 1	...		28	19·49	...		57	20·4	R
5	...		28	19·48	...		57	21·4	R
6	...		28	19·44	...		57	21·3	R
8	...		28	19·48	...		57	20·9	R
11	...		28	19·46	...		57	21·6	R
15	...		28	19·56	...		57	22·1	R
31	...		28	19·51	...		57	21·8	R
140		*Anon.*							
Mar. 19	9·0	13	36	11·98	...	137	1	45·1	R
20	9·2		36	11·97	...		1	43·9	R
22	9·5		36	11·76	...		1	41·8	R
23	9·5		36	11·78	...		1	42·2	R
24	9·4		36	11·72	...		1	43·8	R
141		*Bonn* +0°. 3091.							
Apl. 10	10·4	13	36	30·77	...	89	38	19·1	M
142		*Lacaille* 5361.							
Mar. 26	7·8	13	37	43·76	...	138	9	48·4	R
27	7·9		37	43·65	5		9	49·7	M
Apl. 1	7·9		37	43·82	4		9	51·0	M
143		*Anon.*							
Apl. 3	8·5	13	39	48·50	5	138	53	30·7	M
5	8·5		39	48·59	...		53	30·0	M
6	8·4		39	48·65	...		53	29·4	M
7	8·5		39	48·32	...		53	29·0	M
144		*Anon.*							
Apl. 8	8·2	13	40	4·88	...	138	32	19·2	M
9	8·4		40	4·74	...		32	18·0	M
145		*8 Bootis η*							
Apl. 29	...	13	48	43·99	...	70	58	28·7	M
30	...		48	43·91	...		58	30·2	M
May 1	...		48	43·92	...		58	27·7	R
3	...		48	44·00	...		58	27·3	R
May 6	...	13	48	44·04	...	70	58	29·0	R
7	...		48	43·98	...		58	28·5	R
10	...		48	44·10	...		58	28·2	R
12	...		48	43·93	...		58	29·1	R
14	...		48	43·98	...		58	27·1	R
17	...		48	43·97	...		58	27·3	R
19	...		48	44·03	...		58	29·1	R
31	...		48	44·03	...		58	29·1	R
June 3	...		48	44·03	...		58	29·1	M
146		*β Centauri.*							
Mar. 22	...	13	55	0·75	...	149	46	4·9	R
23	...		55	1·08	...		46	5·7	R
Apl. 19	...		55	0·95	...		46	6·4	M
147		*93 Virginis τ*							
May 3	...	13	55	17·14	...	87	50	56·7	R
4	...		55	17·14	...		50	57·5	R
6	...		55	17·15	...		50	56·9	R
8	...		55	17·19	...		50	57·2	R
11	...		55	17·17	...		50	57·0	R
13	...		55	17·12	...		50	59·5	R
15	...		55	17·07	...		50	58·2	R
18	...		55	17·16	...		50	57·9	R
31	...		55	17·26	...		50	58·5	R
June 2	...		55	17·17	...		50	58·9	M
3	...		55	17·12	...		50	58·9	M
148		*Anon.*							
Apl. 15	9·7	14	1	8·88	...	150	54	17·9	M
149		*R. P. L.* 108.							
Apl. 6	...	14	2	29·84	3	3	38	39·5	M
		R. P. L. 108—*s.p.*							
Dec. 18	...	14	2	30·23	3	3	38	40·3	R

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
150			*Anon.*						
Mar. 20	9·3	14	3	7·46	...	101	48	35·8	R
22	9·5		3	7·24	...		48	35·1	R
23	9·5		3	7·40	...		48	34·8	R
24	9·5		3	7·35	...		48	33·9	R
Apl. 7	9·3		3	7·11	...		48	34·7	M
8	9·1		3	7·28	...		48	34·6	M
151			*Anon.*						
Apl. 9	10·4	14	5	23·12	...	102	9	58·1	M
13	10·4		5	23·37	...		9	58·4	M
16	10·4		5	23·13	...		9	56·2	M
19	10·5		5	23·26	...		9	57·2	M
23	10·4		5	23·28	...		9	57·5	M
24	10·4		5	23·33	...		9	57·3	M
26	10·5		5	23·34	...		9	57·9	M
27	10·4		5	23·39	...		9	56·7	M
28	10·4		5	23·37	...		9	56·1	M
152			*Anon.*						
Mar. 26	9·0	14	6	48·84	...	102	21	15·1	R
Apl. 5	9·0		6	48·91	...		21	17·0	M
153			*16 Bootis a, Arcturus.*						
May 5	...	14	9	57·60	...	70	9	56·6	R
7	...		9	57·56	...		9	56·8	R
11	...		9	57·64	...		9	57·5	R
12	...		9	57·63	...		9	57·5	R
14	...		9	57·67	...		9	55·9	R
17	...		9	57·66	...		9	56·3	R
20	...		9	57·58	...		9	56·4	R
25	...		9	57·68	...		9	58·0	R
June 2	...		9	57·57	...		9	58·5	M
3	...		9	57·56	...		9	58·2	M
154			*Anon.*						
Apl. 10	10·2	14	18	3·51	...	123	16	27·5	M
155			*S Bootis, Var. 2.*						
Mar. 24	...	14	18	41·82	3	35	37	11·1	R
26	8·0		18	41·74	...		37	10·7	R
156			*Anon.*						
Apl. 8	10·3	14	20	5·92	...	124	31	47·5	M
12	10·3		20	6·23	...		31	47·5	M
14	10·3		20	6·18	...		31	49·5	M
157			*25 Bootis ρ*						
May 18	...	14	26	26·54	...	59	4	43·7	R
19	...		26	26·58	...		4	44·2	R
22	...		26	26·55	...		4	43·5	R
26	...		26	26·59	...		4	44·0	R
31	...		26	26·50	...		4	44·7	R
June 1	...		26	26·61	...		4	44·6	M
2	...		26	26·50	...		4	45·5	M
3	...		26	26·68	...		4	44·7	M
5	...		26	26·53	...		4	43·1	M
7	...		26	26·61	...		4	43·9	M
9	...		26	26·49	...		4	44·0	M
158			*O. A. N.* 14652.						
Mar. 26	9·0	14	27	11·28	...	20	9	52·0	R
159			*a¹ Centauri.*						
Apl. 16	1·0	14	31	7·38	...	150	19	10·3	M
23	1·0		31	7·67	...		19	10·0	M
24	1·0		31	7·52	...		19	8·3	M
160			*a² Centauri.*						
Apl. 3	4·0	14	31	7·37	...	150	19	3·9	M
5	4·0		31	7·74	...		19	5·1	M
6	4·1		31	7·89	...		19	5·7	M
7	4·0		31	7·29	...		19	3·0	M
161			*36 Bootis ε, Mirac.*						
May 8	...	14	39	31·66	...	62	23	50·8	R
12	...		39	31·76	...		23	50·9	R
18	...		39	31·71	...		23	51·6	R
20	...		39	31·76	...		23	50·4	R
24	...		39	31·65	...		23	51·2	R
June 1	...		39	31·72	...		23	51·9	M

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
June 3	...	14	39	31·65	...	62	23	51·8	M
4	...		39	31·67	...		23	50·4	M
5	...		39	31·59	...		23	51·6	M
7	...		39	31·73	...		23	51·3	M
9	...		39	31·79	...		23	52·6	M
10	...		39	31·72	...		23	52·5	M
11	...		39	31·75	...		23	52·6	M
162	*9 Libræ a²*								
May 10	...	14	43	57·82	...	105	31	17·7	R
13	...		43	57·91	...		31	15·7	R
19	...		43	57·88	...		31	15·5	R
22	...		43	57·95	...		31	15·6	R
25	...		43	58·03	...		31	17·0	R
28	...		43	57·93	...		31	16·5	R
June 5	...		43	57·98	...		31	15·0	M
7	...		43	57·85	...		31	16·2	M
8	...		43	57·82	...		31	14·6	M
9	...		43	57·90	...		31	18·3	M
10	...		43	57·87	...		31	15·1	M
11	...		43	57·82	...		31	14·3	M
163	*Anon.*								
Apl. 5	9·9	14	48	21·49	...	150	43	44·0	M
164	*43 Bootis ψ*								
May 20	...	14	59	5·37	...	62	33	49·5	R
21	...		59	5·35	...		33	49·6	R
24	...		59	5·43	...		33	49·8	R
26	...		59	5·37	...		33	49·2	R
June 5	...		59	5·35	...		33	50·4	M
7	...		59	5·40	...		33	50·6	M
8	...		59	5·38	...		33	49·9	M
12	...		59	5·37	...		33	49·4	M
165	*Anon.*								
Apl. 6	9·2	15	0	57·34	...	123	28	3·9	M
14	9·0		0	57·34	...		28	2·1	M
15	9·0		0	57·23	...		28	1·9	M
16	9·0		0	57·13	...		28	3·1	M
17	9·0		0	57·39	...		28	4·1	M

Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
166	*Anon.*								
Apl. 23	9·4	15	1	11·13	...	150	59	5·2	M
24	9·5		1	11·01	...		59	4·9	M
28	9·6		1	11·15	...		59	5·3	M
167	*Anon.*								
Apl. 7	8·7	15	1	59·47	...	123	20	5·1	M
8	8·9		1	59·75	...		20	4·6	M
10	8·9		1	59·64	...		20	4·1	M
12	9·0		1	59·65	...		20	3·9	M
13	9·0		1	59·85	...		20	3·8	M
168	*R. P. L. 111—s.p.*								
Jan. 20	...	15	4	28·38	3	5	33	58·8	R
Nov. 27	...		4	28·50	3		33	59·1	R
Dec. 21	...		4	27·90	3		34	0·6	M
22	...		4	27·41	3		34	1·2	M
169	*Anon.*								
Apl. 8	8·7	15	7	26·15	6	130	28	59·4	M
170	*27 Libræ β*								
May 17	...	15	10	16·88	...	98	55	10·8	R
21	...		10	16·96	...		55	12·2	R
24	...		10	16·88	...		55	12·9	R
28	...		10	16·88	...		55	12·9	R
June 1	...		10	16·94	...		55	13·6	M
4	...		10	16·93	...		55	11·1	M
10	...		10	16·90	...		55	12·1	M
11	...		10	16·92	...		55	12·4	M
12	...		10	16·97	...		55	10·8	M
171	*Redhill 2293.*								
Apl. 17	...	15	13	13·71	3	4	23	40·0	M
19	...		13	15·75	3		23	36·6	M
21	...		13	14·06	3		23	37·9	M
30	...		13	14·00	3		23	37·7	M
May 4	...		13	15·07	3		23	37·5	R
5	...		13	14·22	3		23	37·7	R
12	...		13	14·48	3		23	38·2	R
13	...		13	14·43	3		23	38·0	R
15	...		13	14·22	3		23	38·9	R

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172 *R. P. L.* 114.

Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
Apl. 13	...	15	18	15·84	3	2	17	22·6	M
17	...		18	18·27	2		17	24·9	M
24	...		18	19·78	3		17	22·7	M
May 6	...		18	15·83	3		17	24·1	R
7	...		18	16·50	3		17	23·9	R
18	...		18	18·05	3		17	23·4	R

R. P. L. 114—*s.p.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Jan. 8	...	15	18	17·88	3	2	17	24·4	R
13	...		18	17·97	3		17	23·7	R
16	...		18	19·11	3		17	24·9	R
18	...		18	17·02	3		17	26·0	R
Dec. 20	...		18	20·52	2		17	25·9	M
25	...		18	19·87	1		17	26·7	M

173 31 *Libræ ε*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Apl. 2	5·6	15	18	25·40	...	99	52	16·7	M
3	5·6		18	25·26	...		52	16·3	M

174 *W. B. E. XV.* 319.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Apl. 6	9·3	15	18	47·46	...	102	25	40·4	M
7	9·1		18	47·43	...		25	38·8	M
10	9·0		18	47·66	...		25	39·8	M

175 5 *Coronæ Borealis a, Alpheta.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
May 21	...	15	29	23·73	...	62	51	46·6	R
28	...		29	23·77	...		51	48·9	R
June 1	...		29	23·62	...		51	48·7	M
4	...		29	23·73	...		51	46·3	M
7	...		29	23·79	...		51	48·4	M
8	...		29	23·90	...		51	47·8	M

176 *Anon.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
May 1	9·4	15	29	39·18	...	119	40	0·4	R
10	9·2		29	39·39	...		39	59·8	R
11	9·2		29	39·44	...		39	58·5	R

177 *Lalande* 28530.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Apl. 8	9·0	15	32	13·34	5	47	27	28·5	M
10	9·0		32	13·62	...		27	28·4	M

178 *Anon.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
May 5	9·6	15	33	0·53	...	116	38	49·6	R
6	9·7		33	0·52	...		38	49·1	R
8	9·7		33	0·54	...		38	49·8	R
12	9·8		33	0·41	...		38	50·0	R

179 *Anon.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Apl. 29	9·4	15	34	18·47	...	126	37	25·3	M
30	9·3		34	18·35	...		37	22·4	M
May 4	9·5		34	18·25	...		37	21·2	R

180 24 *Serpentis a*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
May 15	...	15	38	6·71	...	83	10	46·7	R
22	...		38	6·71	...		10	44·4	R
26	...		38	6·71	...		10	45·9	R
June 1	...		38	6·72	...		10	47·1	M
12	...		38	6·65	...		10	46·3	M
July 2	...		38	6·72	...		10	44·5	R

181 *O. A. S.* 14841.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
May 1	9·0	15	38	27·76	...	114	9	45·2	R
7	9·0		38	27·94	...		9	43·2	R

182 *Lacaille* 6524.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Apl. 9	6·0	15	41	24·65	...	144	40	17·5	M
12	6·0		41	24·83	...		40	17·1	M
13	6·0		41	24·80	...		40	17·1	M
15	6·0		41	24·64	...		40	18·2	M

183 *Anon.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
May 6	10·0	15	42	59·48	...	61	48	49·7	R
10	10·2		42	59·19	...		48	47·6	R
11	10·5		42	59·22	...		48	46·4	R

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184 *O. A. S.* 14934.

Number and Date	Magnitude	Mean Right Ascension 1875. h.	m.	s.	No. of Wires	Mean Polar Distance 1875. °	′	″	Observer
Apl. 16	9·5	15	43	27·04	...	107	54	28·2	M
17	9·7		43	27·15	...		54	28·7	M

185 *Anon.*

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
Apl. 23	9·2	15	44	34·74	...	104	23	35·5	M
24	9·3		44	34·70	...		23	35·2	M
28	9·2		44	34·85	...		23	34·8	M

186 *W. B. E.* XV. 861.

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
May 4	9·5	15	46	8·20	...	101	27	30·3	R
5	9·5		46	8·18	...		27	31·0	R
7	9·5		46	8·50	...		27	31·2	R

187 *Radcliffe* 3462.

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
Apl. 26	8·0	15	46	42·75	...	47	3	35·6	M
30	8·0		46	43·06	...		3	35·2	M

188 *R. P. L.* 115.

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
Apl. 27	...	15	46	46·35	3	4	45	54·9	M
May 19	...		46	45·26	3		45	53·6	R
20	...		46	45·10	3		45	54·3	R
21	...		46	44·97	3		45	54·5	R
22	...		46	44·07	3		45	53·2	R
24	...		46	44·78	3		45	54·2	R
26	...		46	43·90	3		45	55·1	R
28	...		46	43·76	3		45	55·6	R
June 8	...		46	45·23	3		45	54·1	M

R. P. L. 115—*s.p.*

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
Jan. 2	...	15	46	46·20	3	4	45	57·9	R
5	...		46	45·99	3		45	59·3	R
6	...		46	46·06	3		46	0·0	R
11	...		46	45·69	3		45	57·0	R
28	...		46	43·93	3		45	59·8	R

189 *Anon.*

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
May 8	9·0	15	47	1·90	...	147	12	41·6	R
12	9·4		47	2·08	...		12	42·3	R
15	9·2		47	1·70	...		12	43·2	R
17	9·0		47	1·95	...		12	43·0	R
18	9·0		47	1·76	...		12	44·3	R

190 16 *Ursæ Minoris* ζ

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
Apl. 22	...	15	48	34·52	...	11	49	18·3	M

191 4. *Herculis.*

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
Apl. 19	...	15	51	18·33	...	47	4	8·9	M

192 *Anon.*

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
May 5	7·2	15	51	54·48	...	143	47	12·7	R

193 *O. A. S.* 15089.

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
May 1	9·0	15	52	8·10	...	105	51	44·9	R
6	9·0		52	8·09	...		51	44·6	R
7	9·0		52	8·11	...		51	44·1	R
8	9·0		52	8·09	...		51	44·8	R

194 *T Coronæ, Var.* 3.

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
May 10	9·0	15	54	16·23	...	63	43	31·3	R
11	9·5		54	16·16	6		43	30·3	R
12	9·5		54	16·34	6		43	32·5	R
22	9·6		54	16·21	...		43	30·8	R
28	9·6		54	16·53	...		43	31·2	R
June 7	9·7		54	16·46	...		43	31·2	M
8	9·8		54	16·49	...		43	31·2	M
July 2	9·9		54	16·50	...		43	35·6	R
5	...		54	16·53	4		43	35·5	R
7	...		54	16·62	4		43	36·3	R

195 *O. A. S.* 15146.

Number and Date	Magnitude	h.	m.	s.	No. of Wires	°	′	″	Observer
Apl. 8	8·8	15	55	24·84	...	107	30	41·4	M

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
196			*O. A. S.* 15148.						
May 4	9·0	15	55	27·38	...	107	49	13·8	R
17	9·0		55	27·48	...		49	13·9	R
18	9·0		55	27·38	...		49	15·4	R
197			*Anon.*						
May 26	9·0	15	55	59·47	...	126	57	33·9	R
June 11	9·0		55	59·42	...		57	33·9	M
12	8·9		55	59·35	...		57	34·4	M
22	9·0		55	59·52	...		57	33·5	M
24	8·8		55	59·38	...		57	31·0	M
198			8 *Scorpii* β^1						
June 5	...	15	58	10·35	...	109	27	40·0	M
July 1	...		58	10·24	...		27	40·2	R
10	...		58	10·20	...		27	40·8	R
14	...		58	10·20	..		27	40·5	R
20	...		58	10·46	...		27	40·2	R
199			*Anon.*						
Apl. 9	8·1	16	0	35·60	...	105	18	9·6	M
200			*R. P. L.* 116.						
Apl. 16	...	16	2	26·94	3	4	20	30·8	M
17	...		2	26·11	3		20	32·1	M
201			1 *Ophiuchi* δ						
June 25	...	16	7	47·68	...	93	22	15·9	M
26	...		7	47·70	...		22	15·0	M
July 2	...		7	47·74	...		22	15·4	R
5	...		7	47·79	...		22	14·8	R
10	...		7	47·74	...		22	14·6	R
14	...		7	47·76	...		22	14·9	R
16	...		7	47·67	...		22	14·3	R
202			*Anon.*						
May 1	9·2	16	10	22·64	...	112	35	18·1	R
203			*Anon.*						
Apl. 17	9·2	16	16	42·27	...	152	18	39·5	M
30	9·4		16	42·36	...		18	41·2	M
204			21 *Scorpii α, Antares.*						
May 25	...	16	21	44·66	...	116	9	9·6	R
June 22	...		21	44·70	...		9	8·6	M
24	...		21	44·70	...		9	7·7	M
July 5	...		21	44·66	...		9	7·0	R
7	...		21	44·69	...		9	8·2	R
205			14 *Draconis* η						
Apl. 12	...	16	22	18·58	...	28	12	6·2	M
13	...		22	18·46	...		12	7·2	M
14	...		22	18·53	...		12	6·5	M
16	...		22	18·57	...		12	7·0	M
19	...		22	18·78	...		12	8·1	M
21	...		22	18·23	...		12	7·7	M
24	...		22	18·37	...		12	6·7	M
206			30 *Herculis g, Var.* 5.						
Apl. 22	6·0	16	24	32·09	...	47	50	31·6	M
26	5·9		24	32·19	...		50	32·8	M
27	6·0		24	32·11	...		50	30·8	M
29	6·0		24	32·08	...		50	30·9	M
207			*Anon.*						
May 5	9·2	16	24	42.94	...	152	16	32·4	R
6	9·0		24	42·60	...		16	29·7	R
7	9·3		24	42·75	...		16	29·6	R
June 9	...		24	42·72	...		16	30·2	M
208			*O. A. S.* 15722.						
June 12	9·9	16	26	9·12	...	111	5	15·2	M
July 12	10·0		26	8·87	...		5	13·3	R
14	...		26	8·85	5		5	12·0	R
16	9·9		26	9·01	...		5	15·0	R
22	...		26	8·74	3		5	15·5	R

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
209 *Anon.*									
May 8	8·0	16	27	4·52	...	132	57	0·6	R
10	8·0		27	4·55	...		57	0·2	R
11	8·5		27	4·55	...		57	3·3	R
12	8·5		27	4·47	...		57	2·2	R
15	8·2		27	4·37	...		57	2·8	R
210 *Anon.*									
May 22	8·9	16	29	21·92	...	152	18	9·0	R
24	...		29	22·01	...		18	8·3	R
26	9·1		29	22·01	...		18	9·1	R
211 *Anon.*									
Aug. 20	7·1	16	29	35·97	...	133	8	34·4	M
21	7·2		29	35·92	...		8	34·9	M
23	7·3		29	35·97	...		8	34·1	M
24	7·3		29	36·04	...		8	33·5	M
25	...		29	35·75	...		8	34·3	M
212 *Anon.*									
May 28	9·2	16	29	54·82	...	130	52	45·9	R
July 30	10·0		29	54·81	...		52	45·1	R
213 *Anon.*									
June 24	9·2	16	31	28·68	...	121	28	23·9	M
25	9·3		31	28·83	...		28	23·4	M
26	9·2		31	28·93	...		28	26·3	M
29	9·3		31	28·98	...		28	27·6	M
July 5	9·2		31	28·75	...		28	25·5	R
214 *Brisbane* 5784.									
Apl. 17	9·3	16	31	52·89	...	150	40	50·7	M
May 6	9·0		31	53·02	...		40	45·9	R
215 *α Trianguli Australis.*									
Apl. 27	...	16	35	27·01	...	158	47	43·5	M
28	...		35	26·84	...		47	39·3	M
29	...		35	26·99	...		47	40·3	M
May 4	...		35	26·89	...		47	39·8	R
216 *40 Herculis ζ*									
May 25	...	16	36	34·34	...	58	10	11·1	R
June 2	...		36	34·42	4		10	10·7	M
22	...		36	34·42	...		10	11·0	M
July 7	...		36	34·49	...		10	10·4	R
12	...		36	34·42	...		10	10·1	R
14	...		36	34·49	...		10	9·1	R
23	...		36	34·50	...		10	9·6	R
217 *Anon.*									
May 7	9·0	16	41	2·44	...	139	5	4·5	R
8	9·0		41	2·46	...		5	3·9	R
10	9·0		41	2·62	...		5	3·2	R
11	9·0		41	2·45	...		5	2·7	R
12	9·0		41	2·44	...		5	3·6	R
218 *Anon.*									
May 15	9·0	16	41	19·79	...	138	59	17·4	R
17	9·0		41	19·98	...		59	18·0	R
18	9·0		41	19·99	...		59	19·4	R
19	9·0		41	19·99	...		59	20·0	R
20	9·0		41	19·97	...		59	16·5	R
219 *Anon.*									
Aug. 23	7·3	16	42	25·41	...	138	53	48·2	M
24	7·3		42	25·43	...		53	47·9	M
220 *Anon.*									
May 21	7·0	16	45	0·09	...	139	30	1·2	R
22	7·0		45	0·05	...		30	1·6	R
24	...		45	0·13	...		29	59·9	R
26	7·0		45	0·17	...		29	57·0	R
28	7·0		45	0·23	...		30	0·1	R
221 *S Herculis, Var.* 3.									
Apl. 19	8·0	16	46	12·60	...	74	50	48·0	M
21	8·5		46	12·44	...		50	49·2	M
23	8·9		46	12·50	...		50	44·8	M
24	9·0		46	12·51	...		50	47·2	M
27	9·0		46	12·45	...		50	47·1	M

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h. m. s.	No. of Wires.	Mean Polar Distance 1875. ° ′ ″	Observer.
222		49 *Herculis.*			
Apl. 22	6·8	16 46 23·28	...	74 48 53·8	M
26	6·8	46 23·10	...	48 54·0	M
223		*Anon.*			
May 10	8·5	16 47 36·67	...	130 17 34·3	B
11	8·5	47 36·87	..	17 34·1	B
12	8·5	47 36·85	...	17 35·1	B
224		*Anon.*			
May 4	9·5	16 47 48·88	...	131 0 46·3	B
5	9·5	47 49·09	...	0 48·7	B
6	9·5	47 48·97	...	0 45·9	B
225		*Taylor* 7832.			
Apl. 29	8·7	16 48 14·26	...	130 18 38·7	M
226		*Anon.*			
Apl. 28	8·0	16 48 16·14	...	121 6 13·2	M
227		27 *Ophiuchi* κ			
May 25	...	16 51 45·18	...	80 25 44·1	B
June 18	...	51 45·10	...	25 48·1	M
22	...	51 45·14	...	25 45·6	M
25	...	51 45·09	...	25 44·6	M
26	...	51 45·05	...	25 44·6	M
29	...	51 45·16	...	25 43·4	M
July 1	...	51 45·05	...	25 41·4	B
5	...	51 45·03	...	25 41·8	B
7	...	51 45·10	...	25 43·3	B
12	...	51 45·18	...	25 43·8	B
16	...	51 45·10	...	25 43·4	B
22	...	51 45·05	...	25 44·5	B
23	...	51 45·05	...	25 43·9	B
28	...	51 45·02	...	25 44·0	B
30	...	51 45·09	...	25 43·1	B
Aug. 25	...	51 45·09	...	25 44·2	M
26	...	51 45·05	...	25 44·6	M
228		*O. A. S.* 16232.			
May 1	10·0	16 54 36·48	...	110 15 48·1	B
229		22 *Ursæ Minoris* ε—*s.p.*			
Jan. 30	...	16 58 49·55	5	7 45 38·0	B
230		*G. Z. C.* XVII. 421.			
May 1	9·5	17 6 23·03	...	130 54 35·1	B
4	9·5	6 22·95	...	54 32·6	B
231		*G. Z. C.* XVII. 442.			
Apl. 29	9·3	17 6 52·92	...	130 54 52·7	M
232		*Anon.*			
Aug. 24	8·9	17 6 59·96	...	137 25 52·7	M
30	8·9	6 59·82	...	25 52·5	M
233		64 *Herculis a, Var.* 1.			
June 18	...	17 8 56·75	...	75 27 54·2	M
24	...	8 56·79	...	27 54·8	M
25	...	8 56·87	...	27 53·6	M
26	...	8 56·89	...	27 54·4	M
29	...	8 56·89	...	27 55·3	M
July 1	...	8 56·89	...	27 53·8	B
2	...	8 56·83	...	27 53·6	B
10	...	8 56·89	...	27 54·0	B
12	...	8 56·84	...	27 54·3	B
16	...	8 56·89	...	27 55·3	B
22	...	8 56·88	...	27 54·8	B
28	...	8 56·88	...	27 54·7	B
29	...	8 56·87	...	27 54·7	B
Aug. 25	...	8 56·85	4	27 54·6	M
26	...	8 56·87	...	27 54·7	M
234		42 *Ophiuchi* θ			
June 2	...	17 14 20·17	...	114 52 22·2	M
July 22	...	14 20·02	...	52 22·1	B
29	...	14 20·06	...	52 20·8	B
30	...	14 20·00	...	52 20·8	B
Aug. 21	...	14 20·11	...	52 22·2	M

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
235		*Anon.*							
May 22	9·0	17	22	36·46	...	131	54	39·0	R
24	9·0		22	36·31	...		54	37·5	R
26	9·0		22	36·45	...		54	37·7	R
28	9·1		22	36·55	...		54	38·5	R
236		23 *Draconis β*							
Apl. 30	...	17	27	36·84	...	37	36	17·3	M
May 17	...		27	36·52	...		36	16·2	R
19	...		27	36·44	...		36	16·7	R
237		*G. Z. C.* XVII. 1907.							
May 1	9·2	17	27	58·31	...	150	36	7·6	R
238		55 *Ophiuchi a*							
June 18	...	17	29	7·99	...	77	20	49·4	M
24	...		29	8·00	...		20	49·6	M
Aug. 3	...		29	7·98	...		20	49·0	M
27	...		29	7·80	...		20	49·7	M
239		*Anon.*							
July 5	9·0	17	30	19·59	...	117	58	5·6	R
7	9·2		30	19·39	...		58	5·5	R
12	9·5		30	19·48	...		58	5·5	R
16	8·5		30	19·65	...		58	6·9	R
22	...		30	19·49	...		58	6·8	R
23	...		30	19·45	...		58	2·3	R
28	...		30	19·34	...		58	4·5	R
29	...		30	19·40	...		58	5·4	R
30	8·8		30	19·60	...		58	5·7	R
Aug. 2	8·8		30	19·64	...		58	5·5	M
240		*Anon.*							
May 20	9·5	17	35	18·88	...	126	15	26·5	R
241		*Anon.*							
May 17	9·8	17	35	19·39	...	128	35	48·4	R

Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
242		*O. A. S.* 17105.							
July 5	8·9	17	35	25·55	...	117	49	16·0	R
7	8·9		35	25·30	...		49	17·5	R
12	9·0		35	25·49	...		49	17·7	R
16	8·4		35	25·75	...		49	16·4	R
22	...		35	25·50	...		49	14·0	R
23	...		35	25·46	...		49	16·2	R
28	...		35	25·42	...		49	16·9	R
29	...		35	25·46	...		49	16·9	R
30	8·6		35	25·48	...		49	16·5	R
Aug. 2	8·0		35	25·60	...		49	18·1	M
243		*Anon.*							
May 18	9·2	17	37	2·37	...	150	36	25·9	R
244		*Anon.*							
May 19	9·5	17	37	22·53	...	150	37	28·4	R
21	9·5		37	22·65	...		37	29·8	R
22	9·5		37	22·59	...		37	27·5	R
245		*Anon.*							
May 17	10·0	17	40	1·76	...	127	17	46·9	R
20	10·0		40	1·79	...		17	46·9	R
246		86 *Herculis μ*							
June 29	...	17	41	33·91	...	62	12	17·8	M
30	...		41	33·76	...		12	15·7	M
July 20	...		41	33·97	...		12	15·9	R
23	...		41	34·01	...		12	16·9	R
29	...		41	33·97	...		12	19·5	R
Aug. 3	...		41	33·91	...		12	16·4	M
5	...		41	34·02	...		12	18·0	M
20	...		41	34·04	...		12	17·0	M
21	...		41	33·92	...		12	18·1	M
247		31 *Draconis* ψ^1—*2nd.*							
May 18	6·0	17	44	11·57	...	17	46	52·8	R

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
248				*Anon.*					
Aug. 23	9·0	17	45	48·49	...	128	47	54·7	M
24	9·0		45	48·63	...		47	52·5	M
249				*Anon.*					
May 18	10·0	18	4	22·45	...	59	9	47·1	B
20	10·0		4	22·49	...		9	46·9	B
250				*Anon.*					
May 24	10·2	18	5	31·15	...	120	43	30·3	B
28	10·5		5	31·21	...		43	29·4	B
July 1	10·5		5	31·16	...		43	31·5	B
251			13 *Sagittarii μ*						
June 30	...	18	6	17·31	...	111	5	21·3	M
July 20	...		6	17·19	...		5	22·1	B
28	...		6	17·24	...		5	21·9	B
30	...		6	17·17	...		5	20·5	B
Aug. 2	...		6	17·36	...		5	22·9	M
3	...		6	17·20	...		5	21·8	M
20	...		6	17·25	...		5	21·9	M
26	...		6	17·22	...		5	20·9	M
27	...		6	17·30	...		5	21·6	M
252				*Anon.*					
May 21	8·0	18	7	26·86	...	122	22	36·5	B
22	8·0		7	26·90	...		22	37·3	B
253				*Anon.*					
Sep. 7	9·5	18	8	48·80	...	122	24	31·6	B
254			24 *Ursæ Minoris.*						
June 30	...	18	17	4·46	3	3	0	46·1	M
Aug. 17	...		17	3·46	3		0	46·8	M
20	...		17	4·11	3		0	47·0	M
21	...		17	4·15	3		0	46·3	M
23	...		17	4·27	3		0	46·5	M
24	...		17	4·72	3		0	44·8	M
30	...		17	4·40	1		0	47·1	M
Sep. 22	...		16	59·05	1		0	48·3	B

Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
			24 *Ursæ Minoris—s.p.*						
Feb. 11	...	18	17	4·95	2	3	0	53·2	M
13	...		17	4·10	2		0	52·9	M
255				*Anon.*					
July 7	10·5	18	30	6·46	...	136	55	0·3	B
23	...		30	6·59	3		54	56·4	B
256			3 *Lyræ α, Vega.*						
Aug. 27	...	18	32	42·37	...	51	19	52·2	M
30	...		32	42·32	4		19	53·4	M
257			10 *Lyræ β*[1], *Var.* 1.						
Aug. 2	...	18	45	28·00	...	56	46	52·8	M
5	...		45	27·89	...		46	49·2	M
10	...		45	27·74	...		46	51·4	M
258			*R. P. L.* 131.						
July 2	...	18	55	31·07	3	3	27	2·0	B
16	...		55	29·62	3		27	3·7	B
			R. P. L. 131—*s.p.*						
Feb. 2	...	18	55	29·98	3	3	27	7·3	M
Mar. 6	...		55	30·51	3		27	6·2	B
10	...		55	30·72	3		27	6·3	B
259			17 *Aquilæ ζ*						
June 30	...	18	59	39·94	...	76	19	14·1	M
Aug. 9	...		59	39·89	...		19	14·6	M
10	...		59	39·87	...		19	14·3	M
17	...		59	39·86	...		19	15·5	M
18	...		59	39·82	...		19	14·9	M
20	...		59	39·70	...		19	15·1	M
21	...		59	39·77	...		19	15·0	M
23	...		59	39·71	...		19	14·3	M
24	...		59	39·83	...		19	13·6	M
30	...		59	39·83	4		19	14·6	M
Sep. 2	...		59	39·80	...		19	13·8	B
6	...		59	39·80	...		19	13·7	B

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260	*R Sagittarii, Var.* 1.								
June 24	8·0	19	9	21·46	...	109	31	30·8	M
25	8·0		9	21·69	...		31	31·7	M
26	8·0		9	21·65	...		31	29·9	M
29	8·0		9	21·44	...		31	32·5	M
261	*O. A. S.* 19353.								
June 4	7·5	19	11	0·33	...	116	17	49·2	M
12	7·9		11	0·26	...		17	50·6	M
262	*O. A. S.* 19366.								
June 30	8·3	19	11	19·02	...	116	15	56·7	M
July 2	8·3		11	19·13	...		15	57·8	R
263	25 *Aquilæ ω*								
Aug. 16	...	19	11	56·73	...	78	37	41·6	M
23	...		11	56·84	...		37	43·7	M
24	...		11	56·92	...		37	42·9	M
30	...		11	56·86	...		37	43·6	M
Sep. 2	...		11	56·89	...		37	40·8	R
7	...		11	56·89	...		37	41·1	R
264	*S Sagittarii, Var.* 2.								
July 16	10·5	19	12	6·88	...	109	14	57·3	R
23	...		12	6·85	3		14	56·2	R
29	11·0		12	6·87	...		14	56·9	R
265	30 *Aquilæ δ*								
Aug. 16	...	19	19	11·82	4	87	7	57·0	M
30	...		19	11·72	...		7	56·6	M
Sep. 6	...		19	11·62	...		7	55·9	R
9	...		19	11·74	...		7	58·2	R
266	52 *Sagittarii h*²								
Sep. 7	...	19	29	5·88	...	115	9	26·9	R
267	50 *Aquilæ γ*								
Aug. 2	...	19	40	18·94	...	79	41	24·2	M
5	...		40	19·00	...		41	23·1	M
9	...		40	18·98	...		41	25·5	M
17	...		40	18·92	...		41	24·4	M
24	...		40	18·95	...		41	22·0	M
Sep. 2	...		40	19·02	...		41	21·2	R
7	...		40	18·98	...		41	22·9	R
9	...		40	18·93	...		41	24·1	R
11	...		40	18·95	...		41	22·8	R
20	...		40	18·98	...		41	23·5	R
268	53 *Aquilæ α, Altair.*								
Aug. 10	...	19	44	41·12	...	81	27	36·6	M
16	...		44	41·05	...		27	35·8	M
Sep. 6	...		44	41·07	...		27	35·9	R
14	...		44	41·01	...		27	35·0	R
22	...		44	41·05	...		27	37·6	R
269	60 *Aquilæ β*								
Aug. 7	...	19	49	10·31	...	83	54	14·4	M
Sep. 11	...		49	10·44	...		54	12·7	R
20	...		49	10·38	...		54	13·3	R
23	...		49	10·38	...		54	11·0	R
270	*R Sagittæ, Var.* 1.								
June 29	9·1	20	8	22·18	...	73	39	3·7	M
271	*R Delphini, Var.* 2.								
Sep. 11	9·5	20	8	52·82	4	81	17	19·9	R
14	9·7		8	52·93	...		17	20·4	R
20	...		8	53·05	...		17	22·4	R
21	9·2		8	53·07	...		17	19·7	R
22	9·3		8	53·06	...		17	19·9	R
23	9·5		8	53·04	...		17	18·8	R
24	9·5		8	52·80	...		17	17·9	R
25	9·6		8	52·83	...		17	17·8	R
27	9·7		8	52·80	...		17	19·6	R
272	6 *Capricorni α*¹								
Aug. 7	...	20	11	7·06	...	102	55	52·5	M

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273 *Anon.*					
July 16	10·5	20 16 37·90	...	106 30 35·5	R
29	...	16 37·77	...	30 35·8	R
274 24 *Cephei (Hev.).*					
Sep. 22	...	20 19 44·19	2	1 14 56·2	R
28	...	19 42·47	3	14 56·5	R
275 11 *Capricorni ρ*					
Sep. 9	...	20 21 43·66	...	108 13 31·0	R
14	...	21 43·70	...	13 28·7	R
21	...	21 43·50	...	13 30·4	R
25	...	21 43·61	...	13 28·6	R
27	...	21 43·72	...	13 28·5	R
276 *Cordoba* XX. 865.					
July 16	8·2	20 26 13·83	...	150 24 24·9	R
29	8·4	26 14·08	...	24 20·5	R
Aug. 2	8·9	26 14·02	...	24 21·8	M
18	9·0	26 14·08	...	24 23·4	M
277 *R. P. L.* 143—*s.p.*					
Mar. 3	...	20 28 8·90	3	5 16 16·5	R
278 50 *Cygni α, Deneb.*					
Aug. 9	...	20 37 10·17	3	45 9 55·6	M
25	...	37 10·22	...	9 56·0	M
Oct. 7	...	37 10·35	...	9 56·8	M
279 *T Delphini, Var.* 3.					
May 10	8·8	20 39 33·69	...	74 3 13·7	M
16	9·0	39 33·73	...	3 14·2	M
17	9·0	39 33·66	...	3 15·5	M
18	9·0	39 33·89	...	3 14·4	M
20	9·0	39 33·60	...	3 14·1	M
21	9·3	39 33·63	...	3 14·6	M
23	9·0	39 33·77	...	3 14·0	M
280 *Anon.*					
Sep. 11	10·4	20 39 44·93	...	74 3 10·3	R
14	10·5	39 45·17	...	3 12·1	R
21	10·5	39 45·31	...	3 11·7	R
23	10·5	39 45·22	...	3 12·1	R
281 *Anon.*					
July 16	10·5	20 41 45·52	...	105 15 56·6	R
29	...	41 45·51	...	16 0·7	R
282 32 *Vulpeculæ.*					
Sep. 14	...	20 49 13·94	...	62 25 1·0	R
21	...	49 13·95	...	25 0·9	R
23	...	49 14·01	...	24 59·9	R
25	...	49 14·04	...	24 59·9	R
29	...	49 13·98	...	25 1·6	R
Oct. 2	...	49 13·96	...	25 1·5	M
283 64 *Cygni ζ*					
Aug. 7	...	21 7 36·94	...	60 17 7·1	M
17	...	7 37·01	...	17 6·1	M
18	...	7 36·90	...	17 4·4	M
Sep. 22	...	7 36·96	...	17 5·8	R
24	...	7 36·78	...	17 5·2	R
28	...	7 36·90	...	17 5·5	R
29	...	7 36·97	...	17 6·4	R
Oct. 2	...	7 36·95	...	17 6·3	M
4	...	7 37·00	...	17 6·3	M
5	...	7 37·03	...	17 5·7	M
6	...	7 37·06	...	17 6·5	M
11	...	7 36·95	...	17 5·8	M
12	...	7 36·95	...	17 6·2	M
13	...	7 36·95	...	17 7·5	M
284 22 *Aquarii β*					
Aug. 18	...	21 24 58·60	...	96 7 13·2	M
23	...	24 58·72	...	7 9·8	M
Sep. 20	...	24 58·60	...	7 12·4	R
21	...	24 58·72	...	7 12·2	R
24	...	24 58·48	...	7 10·3	R
27	...	24 58·54	...	7 10·6	R

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Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
Oct. 1	...	21	24	58·62	...	96	7	11·9	M
2	...		24	58·59	...		7	12·8	M
4	...		24	58·66	...		7	12·2	M
5	...		24	58·54	...		7	11·9	M
6	...		24	58·52	3		7	12·5	M
7	...		24	58·55	...		7	11·3	M
11	...		24	58·60	...		7	11·8	M
12	...		24	58·67	...		7	12·0	M
13	...		24	58·61	...		7	11·7	M
16	...		24	58·69	...		7	11·8	M
285			8 *Pegasi ε*						
Sep. 11	...	21	38	2·80	...	80	41	47·9	R
22	...		38	2·81	...		41	49·2	R
28	...		38	2·84	...		41	50·0	R
Oct 4	...		38	2·68	...		41	49·3	M
6	...		38	2·71	...		41	50·4	M
7	...		38	2·71	...		41	49·6	M
12	...		38	2·72	...		41	51·3	M
16	...		38	2·74	...		41	50·1	M
19	...		38	2·75	...		41	49·4	M
286			*Anon.*						
Sep. 21	10·0	21	41	24·31	...	102	29	23·6	R
287			16 *Pegasi.*						
Sep. 23	...	21	47	22·45	...	64	39	43·1	R
28	...		47	22·56	...		39	44·1	R
Oct. 1	...		47	22·43	...		39	45·5	M
5	...		47	22·50	...		39	45·1	M
6	...		47	22·54	3		39	44·2	M
11	...		47	22·52	...		39	44·1	M
16	...		47	22·50	...		39	44·0	M
22	...		47	22·49	...		39	43·6	M
288			34 *Aquarii α*						
Sep. 24	...	21	59	21·69	...	90	55	34·0	R
Oct. 19	...		59	21·75	...		55	34·6	M
22	...		59	21·70	...		55	35·1	M
23	...		59	21·74	...		55	35·0	M
26	...		59	21·64	...		55	34·8	M
Nov. 1	...		59	21·66	...		55	35·3	R
289			*T Pegasi, Var.* 4.						
Nov. 3	10·5	22	2	47·44	...	78	4	17·1	R
4	10·5		2	47·42	...		4	15·9	R
5	10·5		2	47·51	...		4	15·4	R
6	10·5		2	47·59	4		4	14·2	R
8	10·5		2	47·68	2		4	14·8	R
290			*Anon.*						
Sep. 7	9·5	22	3	54·96	...	101	5	38·5	R
291			43 *Aquarii θ*						
Sep. 25	...	22	10	14·10	...	98	24	14·5	R
27	...		10	14·11	...		24	15·6	R
Oct. 1	...		10	14·18	...		24	16·4	M
19	...		10	14·17	...		24	16·4	M
22	...		10	14·20	...		24	16·6	M
23	...		10	14·20	...		24	16·7	M
25	...		10	14·14	...		24	17·4	M
27	...		10	14·06	...		24	16·5	M
28	...		10	14·10	...		24	16·0	M
29	...		10	14·21	...		24	15·9	M
Nov. 1	...		10	14·14	...		24	16·3	R
292			*R. P. L.* 150.						
Sep. 7	...	22	22	55·62	3	4	31	19·5	R
11	...		22	55·79	3		31	19·0	R
21	...		22	56·01	3		31	20·1	R
			R. P. L. 150—*s.p.*						
Feb. 17	...	22	22	57·66	3	4	31	24·0	M
19	...		22	57·01	3		31	21·0	M
Mar. 13	...		22	57·22	3		31	23·8	R
293			*R. P. L.* 151.						
Aug. 18	...	22	23	25·33	3	4	24	26·8	M
Sep. 16	...		23	22·49	3		24	27·6	R
			R. P. L. 151—*s.p.*						
Mar. 17	...	22	23	23·72	3	4	24	29·1	R

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Separate Results of Madras Meridian Circle Observations in 1875.

Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
294		*R. P. L.* 153—*s.p.*							
Feb. 24	...	22	28	2·73	3	2	33	18·8	M
25	...		28	2·34	3		33	15·0	M
26	...		28	2·57	3		33	14·4	M
295		62 *Aquarii η*							
Oct. 23	...	22	28	55·79	...	90	45	39·0	M
25	...		28	55·93	...		45	40·0	M
26	...		28	56·06	...		45	39·3	M
28	...		28	55·93	...		45	38·6	M
29	...		28	55·92	...		45	38·1	M
30	...		28	55·94	...		45	37·9	M
296		*T Aquarii, Var.* 3.							
Nov. 4	10·5	22	29	19·52	...	98	15	6·4	R
5	10·5		29	19·64	5		15	5·3	R
6	10·5		29	19·62	3		15	6·2	R
8	10·5		29	19·99	1		15	5·8	R
297		42 *Pegasi ζ*							
Oct. 13	...	22	35	13·58	...	79	49	14·3	M
26	...		35	13·50	...		49	13·7	M
27	...		35	13·64	...		49	13·3	M
28	...		35	13·61	...		49	13·5	M
29	...		35	13·49	...		49	14·2	M
30	...		35	13·50	...		49	13·3	M
Nov. 1	...		35	13·65	...		49	13·9	R
2	...		35	13·64	...		49	11·6	R
3	...		35	13·64	...		49	13·2	R
5	...		35	13·65	...		49	11·9	R
11	...		35	13·52	...		49	12·7	R
298		*Anon.*							
Nov. 19	7·0	22	46	24·34	4	130	5	2·9	R
23	7·2		46	24·21	...		5	3·3	R
25	7·2		46	24·22	...		5	2·0	R
299		24 *Piscis Australis a, Fomalhaut.*							
Oct. 25	...	22	50	44·26	...	120	17	3·9	M
27	...		50	44·33	...		17	2·5	M
30	...		50	44·34	...		17	3·5	M
Nov. 4	...		50	44·30	...		17	4·5	R
6	...		50	44·46	...		17	4·3	R
300		54 *Pegasi a, Markab.*							
Sep. 29	...	22	58	32·05	...	75	28	1·8	R
Nov. 3	...		58	32·02	...		28	0·7	R
5	...		58	32·09	...		27	59·3	R
15	...		58	32·06	...		27	59·6	R
17	...		58	32·02	...		27	59·5	R
301		6 *Piscium γ*							
Nov. 2	...	23	10	41·01	...	87	23	58·8	R
4	...		10	41·09	...		23	59·3	R
5	...		10	40·99	...		23	59·0	R
6	...		10	41·04	...		24	0·3	R
8	...		10	41·07	...		23	59·1	R
9	...		10	41·12	...		23	59·4	R
15	...		10	41·08	...		23	59·1	R
19	...		10	41·01	...		23	59·3	R
302		*W. B. E.* XXIII. 190.							
Oct. 7	9·0	23	11	10·85	...	82	28	10·0	M
11	9·0		11	10·96	...		28	9·3	M
12	9·3		11	10·83	...		28	10·3	M
22	9·1		11	10·89	...		28	8·9	M
23	9·0		11	10·77	...		28	10·1	M
303		*Lalande* 45607.							
Sep. 23	7·8	23	11	40·80	...	81	10	40·8	R
24	8·0		11	40·63	...		10	39·4	R
25	8·0		11	40·72	...		10	40·6	R
28	8·0		11	40·89	...		10	41·8	R
29	...		11	40·98	...		10	42·6	R
304		8 *Piscium κ*							
Oct. 14	...	23	20	31·43	...	89	25	43·5	M
Nov. 2	...		20	31·44	...		25	41·0	R
6	...		20	31·28	...		25	41·6	R
8	...		20	31·48	...		25	40·7	R
15	...		20	31·43	...		25	41·8	R
17	...		20	31·41	...		25	42·0	R
23	...		20	31·53	...		25	43·2	R
25	...		20	31·48	...		25	42·8	R

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Separate Results of Madras Meridian Circle Observations in 1875.

Number and Date.	Magnitude.	Mean Right Ascension 1875. h.	m.	s.	No. of Wires.	Mean Polar Distance 1875. °	′	″	Observer.
305		*W. B. E.* XXIII. 424.							
Sep. 14	9·5	23	22	21·46	...	78	44	33·4	R
21	9·5		22	21·59	...		44	34·5	R
24	9·8		22	21·30	...		44	32·4	R
25	9·5		22	21·33	...		44	31·7	R
28	9·4		22	21·53	...		44	31·6	R
306		*R. P. L.* 158.							
Sep. 25	...	23	27	48·67	3	3	22	55·0	R
Oct. 28	...		27	49·87	3		22	55·8	M
29	...		27	49·59	3		22	54·1	M
30	...		27	48·99	3		22	54·6	M
		R. P. L. 158—*s.p.*							
Feb. 20	...	23	27	49·25	5	3	22	58·5	M
23	...		27	49·64	5		22	58·7	M
307		17 *Piscium ι*							
Oct. 14	...	23	33	31·06	...	85	3	4·5	M
Nov. 3	...		33	31·28	...		3	1·7	R
4	...		33	31·22	...		3	1·6	R
Nov. 8	...	23	33	31·20	...	85	3	3·0	R
9	...		33	31·21	...		3	3·6	R
16	...		33	31·29	...		3	4·4	R
17	...		33	31·34	...		3	3·2	R
19	...		33	31·21	...		3	3·3	R
23	...		33	31·19	...		3	2·8	R
308		*δ Sculptoris.*							
Nov. 9	...	23	42	24·56	...	118	49	15·7	R
11	...		42	24·51	...		49	16·1	R
19	...		42	24·78	...		49	18·4	R
25	...		42	24·61	...		49	16·7	R
27	...		42	24·71	...		49	18·2	R
309		*G. C. Z.* XXIII. 1321.							
Sep. 11	9·3	23	48	31·74	...	150	39	57·5	R
310		28 *Piscium ω*							
Nov. 11	...	23	52	53·49	...	83	49	39·5	R
16	...		52	53·55	...		49	43·0	R
25	...		52	53·58	...		49	42·0	R

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MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1875

REDUCED TO JANUARY 1 OF THAT YEAR

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Mean Positions of Stars for 1875, *January* 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
1	21 Andromedæ α (*Alpherat*)	2·1	...	0	1	55·91	61	36	0·2	1	0·89
2	W. B. E. 0·28	7·9	5	0	3	39·24	99	40	12·6	5	0·72
3	W. B. E. 0·41	9·2	5	0	4	5·63	99	59	9·7	5	0·76
4	W. B. E. 0·76	9·1	5	0	5	58·63	99	24	18·8	5	0·79
5	88 Pegasi γ (*Algenib*) ...	3·0	...	0	6	47·99	75	30	42·6	2	0·91
6	T Cassiopeiæ, Var. 5 ...	8·4	10	0	16	28·48	34	54	2·7	10	0·86
7	S Ceti, Var. 3.	9·4	10	0	17	41·95	100	1	15·8	10	0·73
8	12 Ceti	6·2	...	0	23	39·48	94	38	53·5	1	0·87
9	T Piscium, Var. 3 ...	10·5	6	0	25	31·81	76	5	23·2	6	0·87
10	... ...	10·5	2	0	25	56·64	76	5	35·2	2	0·79
11	16 Ceti β	2·1	...	0	37	18·89	108	40	22·8	3	0·90
12	R. P. L. 10	6·6	...	0	49	36·80	1	38	52·4	1	0·84
13	2 Ursæ Minoris	4·5	...	0	52	0·69	4	24	52·7	8	0·84
14	R. P. L. 14	6·2	...	0	55	27·56	3	31	15·6	5	0·62
15	71 Piscium ε	4·5	...	0	56	27·42	82	46	59·7	3	0·90
16	R. P. L. 18	7·9	...	1	11	39·45	2	5	22·2	8	0·74
17	1 Ursæ Minoris α (*Polaris*).	2·2	...	1	13	0·00	1	21	29·9	2	0·27
18	45 Ceti θ^1	3·8	...	1	17	46·51	98	49	44·1	6	0·92
19	99 Piscium η	3·7	..	1	24	47·74	75	17	58·3	6	0·93
20	106 Piscium ν	4·7	...	1	34	55·55	85	8	43·4	4	0·93
21	6 Arietis β	2·8	...	1	47	44·17	69	48	13·6	6	0·95
22	13 Arietis α	2·0	...	2	0	7·70	67	7	46·8	5	0·94
23	67 Ceti	5·5	...	2	10	44·90	96	59	56·6	5	0·76
24	73 Ceti ξ^2	4·4	...	2	21	30·84	82	6	3·6	5	0·56
25	R. P. L. 26	8·0	...	2	25	21·66	3	30	0·1	14	0·43
26	Lacaille 849—1st... ...	8·1	2	2	36	18·11	150	6	18·3	2	0·81
27	86 Ceti γ^2...	3·6	...	2	36	49·47	87	17	29·8	6	0·33
28	T Arietis, Var. 3... ...	8·2	10	2	41	21·49	73	0	49·5	10	0·83
29	... ...	10·0	5	2	46	10·63	150	9	36·5	5	0·04
30	92 Ceti α (*Menkar*) ...	2·7	...	2	55	44·73	86	24	5·1	8	0·26
31	R. P. L. 33	5·8	...	3	3	3·85	5	32	18·0	8	0·33
32	57 Arietis δ	4·5	...	3	4	29·03	70	44	51·8	5	0·03
33	... ...	10·3	2	3	13	13·64	131	44	20·7	2	0·01
34	R. P. L. 34	5·9	...	3	25	44·88	3	45	8·1	13	0·28
35	25 Tauri η (*Alcyone*) ...	3·0	...	3	40	3·85	66	16	59·5	12	0·12

2—3—4.—Comparison stars for Sylvia in 1875.
10.—Observed for map T Piscium, Var. 3.
12.—Groombridge 144.
14.—Groombridge 195.
16.—Carrington 183.
25.—Groombridge 352.
31.—Groombridge 595.
34.—Groombridge 642.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
1	21 Andromedæ α ...	+ 3·0783	+ 0·0182	+ 0·010	– 20·054	+ 0·013	+ 0·16	3215
2	W. B. E. 0·28 ...	+ 3·0685	– 0·0030	...	– 20·051	+ 0·016	...	...
3	W. B. E. 0·41 ...	+ 3·0680	– 0·0032	...	– 20·051	+ 0·016	...	...
4	W. B. E. 0·76 ...	+ 3·0665	– 0·0028	...	– 20·048	+ 0·020	...	...
5	88 Pegasi γ (*Algenib*)	+ 3·0824	+ 0·0100	– 0·001	– 20·046	+ 0·022	+ 0·01	1
6	T Cassiopeiæ, Var. 5.	+ 3·2098	+ 0·0491	...	– 20·003	+ 0·042	...	...
7	S Ceti, Var. 3 ...	+ 3·0539	– 0·0023	...	– 19·995	+ 0·043	...	...
8	12 Ceti	+ 3·0610	+ 0·0008	– 0·000	– 19·948	+ 0·055	+ 0·01	38
9	T Piscium, Var. 3 ...	+ 3·1091	+ 0·0108	...	– 19·930	+ 0·058	...	...
10	... ...	+ 3·1097	+ 0·0108	...	– 19·926	+ 0·060	...	...
11	16 Ceti β	+ 2·9990	– 0·0055	+ 0·015	– 19·789	+ 0·080	– 0·08	70
12	R. P. L. 10	+ 13·0564	+ 7·6087	+ 0·116	– 19·586	+ 0·418	+ 0·02	Main
13	2 Ursæ Minoris ...	+ 6·9688	+ 1·3334	+ 0·068	– 19·540	+ 0·238	+ 0·01	92
14	R. P. L. 14	+ 8·2789	+ 2·0702	+ 0·054	– 19·469	+ 0·297	+ 0·02	95
15	71 Piscium ε ...	+ 3·1135	+ 0·0087	– 0·007	– 19·449	+ 0·119	– 0·04	113
16	R. P. L. 18	+ 14·3417	+ 6·4938	...	– 19·082	+ 0·651	...	...
17	1 Ursæ Minoris α ...	+ 20·7403	+ 14·9675	+ 0·108	– 19·046	+ 0·955	+ 0·00	102
18	45 Ceti θ[1]	+ 3·0031	+ 0·0018	– 0·007	– 18·911	+ 0·154	+ 0·20	184
19	99 Piscium η ...	+ 3·1990	+ 0·0141	– 0·000	– 18·697	+ 0·177	+ 0·00	203
20	106 Piscium ν ...	+ 3·1179	+ 0·0091	– 0·003	– 18·359	+ 0·191	– 0·01	228
21	6 Arietis β	+ 3·2950	+ 0·0183	+ 0·005	– 17·879	+ 0·226	+ 0·10	252
22	13 Arietis α	+ 3·3545	+ 0·0203	+ 0·013	– 17·362	+ 0·252	+ 0·13	287
23	67 Ceti	+ 2·9836	+ 0·0049	+ 0·004	– 16·878	+ 0·242	+ 0·11	321
24	73 Ceti ξ[2]	+ 3·1796	+ 0·0117	+ 0·001	– 16·352	+ 0·276	+ 0·00	347
25	R. P. L. 26	+ 16·0251	+ 3·7143	...	– 16·154	+ 1·393	...	...
26	Lacaille 849—1st ...	+ 1·6064	+ 0·0071	...	– 15·568	+ 0·154	...	...
27	86 Ceti γ[2]	+ 3·1122	+ 0·0094	– 0·011	– 15·540	+ 0·294	+ 0·16	383
28	T Arietis, Var. 3 ...	+ 3·3866	+ 0·0164	...	– 15·286	+ 0·322	...	...
29	... ...	+ 1·5265	+ 0·0093	...	– 15·010	+ 0·154	...	...
30	92 Ceti α (*Menkar*)...	+ 3·1305	+ 0·0098	– 0·003	– 14·441	+ 0·323	+ 0·07	428
31	R. P. L. 33	+ 12·9490	+ 1·6017	+ 0·045	– 13·990	+ 1·357	+ 0·12	402
32	57 Arietis δ	+ 3·4088	+ 0·0171	+ 0·010	– 13·900	+ 0·364	– 0·01	446
33	... ...	+ 2·1815	+ 0·0013	...	– 13·336	+ 0·243	...	...
34	R. P. L. 34	+ 19·0118	+ 3·2330	+ 0·136	– 12.501	+ 2·173	+ 0·06	Gr.
35	25 Tauri η (*Alcyone*)	+ 3·5534	+ 0·0177	– 0·000	– 11·499	+ 0·430	+ 0·04	521

12.—Proper motions from Main's list.

34.—Proper motions from *Greenwich Catalogue* 1872.

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Mean Positions of Stars for 1875, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
36	34 Eridani γ^1 … …	3·0	…	3	52	11·83	103	51	55·5	9	0·15
37	R. P. L. 35 … …	6·7	…	3	57	58·03	4	46	40·7	6	0·23
38	Lalande 7655 … …	8·0	3	4	1	4·57	70	35	53·3	3	0·97
39	… … … …	10·0	4	4	3	6·30	67	14	27·2	4	0·08
40	… … … …	10·0	2	4	4	2·56	68	28	28·1	2	0·88
41	T Tauri, Var. 4 …	10·9	3	4	4	27·62	60	30	55·2	3	0·02
42	… … … …	10·0	5	4	5	12·75	67	14	46·6	5	0·73
43	… … … …	9·9	5	4	5	38·84	67	13	57·9	5	0·09
44	38 Eridani o^1 … …	4·1	…	4	5	45·81	97	9	52·5	2	0·05
45	U Tauri, Var. 7 … …	9·7	1	4	14	32·09	70	29	0·0	1	0·09
46	74 Tauri ϵ … …	3·7	…	4	21	19·09	71	5	55·2	7	0·07
47	… … … …	9·6	5	4	22	19·36	70	38	8·8	5	0·92
48	… … … …	10·1	2	4	22	38·44	80	26	33·3	2	0·01
49	87 Tauri α (*Aldebaran*) …	1·0	…	4	28	44·97	73	44	38·5	4	0·07
50	V Tauri, Var. 8 … …	9·9	10	4	44	48·49	72	40	35·1	10	0·04
51	3 Aurigæ ι … …	2·7	…	4	48	51·35	57	2	2·7	8	0·08
52	2 Leporis ϵ … …	3·3	…	5	0	10·12	112	32	25·6	7	0·08
53	112 Tauri β … …	1·9	…	5	18	23·44	61	30	2·2	7	0·09
54	R. P. L. 40 … …	6·0	…	5	22	8·52	4	52	27·5	4	0·38
55	34 Orionis δ, Var. 1 …	Var.	…	5	25	37·20	90	23	36·5	3	0·10
56	46 Orionis ϵ … …	1·8	…	5	29	52·15	91	17	1·0	1	0·09
57	R. P. L. 42 … …	7·9	…	5	32	27·26	2	41	12·0	5	0·44
58	58 Orionis α, Var. 2 …	0·9	…	5	48	24·44	82	37	5·4	2	0·09
59	… … … …	9·1	4	5	51	26·96	141	51	52·4	4	0·06
60	R. P. L. 43 … …	6·6	…	5	56	53·96	3	14	18·4	3	0·40
61	67 Orionis ν … …	4·4	…	6	0	26·17	75	13	5·5	1	0·11
62	Lalande 12072 … …	7·5	2	6	13	46·23	68	48	53·0	2	0·04
63	13 Geminorum μ …	3·2	…	6	15	23·88	67	25	28·3	2	0·14
64	24 Geminorum γ …	2·0	…	6	30	29·46	73	29	46·2	8	0·12
65	R Monocerotis, Var. 1 …	…	…	6	32	20·29	81	9	12·9	4	0·17
66	15 Monocerotis, Var. 2 …	5·0	10	6	34	5·77	79	59	24·3	10	0·19
67	51 Cephei (Hev.) … …	…	…	6	41	15·77	2	45	58·3	16	0·47
68	W. B. N VI. 1361 …	9·0	5	6	46	5·85	70	35	0·5	5	0·13
69	21 Canis Majoris ϵ …	1·5	…	6	53	42·78	118	48	11·8	15	0·14
70	23 Canis Majoris γ …	4·1	…	6	58	6·18	105	27	0·2	14	0·15

37.—Groombridge 750.
38—47.—Comparison stars for Sylvia in 1875.
48.—Observed for map of R Tauri, Var. 2.
54.—Groombridge 944.
60.—Groombridge 1004.
62.—Observed for map of R Reticuli, Var. 1.
68.—Comparison star for Hestia in 1875.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
36	34 Eridani γ^1 ...	+ 2·7922	+ 0·0047	+ 0·003	− 10·613	+ 0·351	+ 0·11	546
37	R. P. L. 35 ...	+ 16·8528	+ 1·8103	+ 0·057	− 10·181	+ 2·121	− 0·05	Gr.
38	Lalande 7655 ...	+ 3·4811	+ 0·0139	...	− 9·946	+ 0·445	...	...
39	... ...	+ 3·5617	+ 0·0153	...	− 9·792	+ 0·457	...	...
40	... ...	+ 3·5335	+ 0·0147	...	− 9·719	+ 0·454	...	...
41	T Tauri, Var. 4 ...	+ 3·5332	+ 0·0146	...	− 9·687	+ 0·455	...	...
42	... ...	+ 3·5641	+ 0·0151	...	− 9·629	+ 0·460	...	...
43	... ...	+ 3·5649	+ 0·0151	...	− 9·597	+ 0·460	...	...
44	38 Eridani o^1 ...	+ 2·9246	+ 0·0058	− 0·001	− 9·587	+ 0·379	− 0·09	568
45	U Tauri, Var. 7 ...	+ 3·4969	+ 0·0129	...	− 8·906	+ 0·460	...	...
46	74 Tauri, ϵ ..	+ 3·4882	+ 0·0120	+ 0·007	− 8·371	+ 0·466	+ 0·47	609
47	... ...	+ 3·5000	+ 0·0122	...	− 8·291	+ 0·469	...	...
48	... ...	+ 3·2773	+ 0·0090	...	− 8·266	+ 0·439	...	...
49	87 Tauri α (*Aldebaran*)	+ 3·4315	+ 0·0105	+ 0·004	− 7·776	+ 0·464	+ 0·18	630
50	V Tauri, Var. 8 ...	+ 3·4670	+ 0·0095	...	− 6·462	+ 0·482	...	...
51	3 Aurigæ ι ...	+ 3·8978	+ 0·0144	+ 0·001	− 6·126	+ 0·544	+ 0·00	677
52	2 Leporis ϵ ...	+ 2·5361	+ 0·0033	+ 0·000	− 5·176	+ 0·359	+ 0·07	713
53	112 Tauri β ...	+ 3·7862	+ 0·0082	+ 0·001	− 3·621	+ 0·545	+ 0·18	756
54	R. P. L. 40 ...	+ 18·5393	+ 0·6349	...	− 3·297	+ 2·669	...	...
55	34 Orionis δ, Var. 1...	+ 3·0631	+ 0·0038	− 0·001	− 2·997	+ 0·443	+ 0·01	787
56	46 Orionis ϵ ...	+ 3·0425	+ 0·0035	− 0·002	− 2·629	+ 0·441	− 0·01	809
57	R. P. L. 42 ...	+ 31·3575	+ 1·4732	...	− 2·405	+ 4·543	...	...
58	58 Orionis α, Var. 2...	+ 3·2452	+ 0·0027	+ 0·001	− 1·014	+ 0·473	− 0·02	860
59	... ...	+ 1·3704	+ 0·0083	...	− 0·749	+ 0·200	...	...
60	R. P. L. 43 ...	+ 26·7096	+ 0·1087	...	− 0·271	+ 3·895	...	...
61	67 Orionis ν ...	+ 3·4250	+ 0·0017	− 0·000	+ 0·038	+ 0·500	+ 0·01	887
62	Lalande 12072 ...	+ 3·5895	0·0000	...	+ 1·204	+ 0·522	...	...
63	13 Geminorum μ ...	+ 3·6268	− 0·0003	+ 0·004	+ 1·346	+ 0·527	+ 0·10	929
64	24 Geminorum γ ...	+ 3·4648	− 0·0015	+ 0·002	+ 2·660	+ 0·500	+ 0·04	969
65	R Monocerotis, Var. 1	+ 3·2782	− 0·0007	...	+ 2·821	+ 0·473	...	...
66	15 Monocerotis, Var. 2	+ 3·3056	− 0·0010	...	+ 2·973	+ 0·476	...	...
67	51 Cephei (Hev.) ...	+ 30·3010	− 2·0844	− 0·040	+ 3·592	+ 4·347	+ 0·05	Gr.
68	W. B. N. VI. 1361 ...	+ 3·5340	− 0·0036	...	+ 4·007	+ 0·503	...	...
69	21 Canis Majoris ϵ ...	+ 2·3572	+ 0·0013	− 1·001	+ 4·657	+ 0·332	− 0·02	1023
70	23 Canis Majoris γ ..	+ 2·7145	+ 0·0005	− 0·002	+ 5·030	+ 0·381	+ 0·00	1028

37—68.—Proper motions from *Greenwich Catalogue* 1872.
67.—Proper motions from *Greenwich Catalogue* 1880.

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Mean Positions of Stars for 1875, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
71	66 Geminorum α^2 (*Castor*).	2·0	...	7	26	37·38	57	50	22·3	13	0·15
72	R. P. L. 45	7·2	...	7	29	1·08	1	0	24·2	5	0·58
73	10 Can. Min. α (*Procyon*)..	0·5	...	7	32	45·42	84	27	22·3	9	0·16
74	78 Geminorum β (*Pollux*).	1·1	...	7	37	39·96	61	40	25·8	5	0·16
75	Taylor 3290	7·7	4	7	46	33·50	144	29	38·0	4	0·11
76	R. P. L. 49	6·7	...	7	46	43·91	5	35	17·5	2	0·18
77	... ...	11·5	2	7	47	48·82	67	44	26·4	2	0·17
78	W. B. E. VII. 1477. ...	8·8	5	7	51	8·61	77	38	10·8	5	0·15
79	... ...	9·6	1	7	52	19·19	151	42	13·6	1	0·09
80	... ...	9·3	5	7	53	44·87	77	48	58·1	5	0·12
81	... ...	9·4	5	7	53	51·99	149	55	27·9	5	0·14
82	... ...	9·2	2	7	53	55·44	149	54	32·2	2	0·11
83	6 Cancri	5·0	...	7	55	50·25	61	51	25·2	5	0·18
84	15 Argus ι	2·9	...	8	2	13·28	113	56	42·8	7	0·18
85	Lalande 16007	8·0	5	8	4	52·41	78	26	48·3	5	0·12
86	... ...	9·6	5	8	12	10·81	131	52	34·2	5	0·11
87	... ...	9·5	4	8	12	18·23	131	44	50·9	4	0·13
88	V Cancri, Var. 5	8·9	10	8	14	35·66	72	19	11·9	10	0·18
89	20 Cancri d^1	5·9	...	8	16	12·27	71	16	5·9	1	0·14
90	33 Cancri η	5·5	...	8	25	28·70	69	8	6·8	5	0·19
91	U Cancri, Var. 4	10·4	6	8	28	37·33	70	40	29·2	6	0·15
92	11 Hydræ ϵ	3·6	...	8	40	9·33	83	7	25·3	6	0·18
93	R. P. L. 60	7·0	...	8	48	54·82	5	19	20·7	3	0·35
94	83 Cancri	6·6	...	9	12	0·13	71	45	57·2	1	0·19
95	R. P. L. 69	7·9	1	9	36	23·55	2	49	43·1	1	0·21
96	17 Leonis ϵ	3·1	...	9	38	45·18	65	39	3·6	3	0·20
97	R. P. L. 70	5·0	...	9	48	16·36	5	28	53·6	3	0·35
98	29 Leonis π	5·0	...	9	53	36·45	81	21	23·8	1	0·20
99	Taylor 4503	8·0	5	10	1	33·30	77	23	35·3	5	0·11
100	32 Leonis α (*Regulus*) ...	1·4	...	10	1	42·84	77	25	21·3	3	0·22
101	R. P. L. 72	6·0	...	10	11	9·00	5	6	54·9	2	0·41
102	41 Leonis γ^1	2·5	...	10	13	4·74	69	31	38·3	4	0·23
103	30 Sextantis	4·9	...	10	23	54·05	89	59	46·4	2	0·14
104	... ...	10·5	1	10	23	57·46	76	8	38·1	1	0·15
105	47 Leonis ρ	4·0	...	10	26	13·67	80	3	1·6	6	0·23

72.—Groombridge 1119.
76.—Groombridge 1859.
78—80—85.—Comparison stars for Asia in 1875.
93.—Carrington 1286.
95.—Carrington 1418.
97.—Carrington 1451.
101.—Groombridge 1620.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
71	66 Geminorum α^2 ...	+ 3·8535	− 0·0133	− 0·015	+ 7·401	+ 0·519	+ 0·08	1087
72	R. P. L. 45	+ 73·4879	− 30·2397	− 0·323	+ 7·595	+ 0·990	− 0·01	Main
73	10 Canis Minoris α ...	+ 3·1915	− 0·0041	− 0·047	+ 7·897	+ 0·425	+ 1·03	1106
74	78 Geminorum β ...	+ 3·7284	− 0·0128	− 0·048	+ 8·290	+ 0·491	+ 0·05	1112
75	Taylor 3290	+ 1·3975	− 0·0043	...	+ 8·992	+ 0·178	...	...
76	R. P. L. 49	+ 15·2730	+ 1·2348	...	+ 9·005	+ 1·986		
77	... ...	+ 3·5599	− 0·0108	...	+ 9·090	+ 0·459	...	...
78	W. B. E. VII. 1477 ...	+ 3·3315	− 0·0071	...	+ 9·349	+ 0·426	...	...
79	... ...	+ 0·8811	− 0·0137	...	+ 9·439	+ 0·109	...	...
80	... ...	+ 3·3260	− 0·0072	...	+ 9·550	+ 0·423	...	...
81	... ...	+ 1·0427	− 0·0106	...	+ 9·559	+ 0·130	...	...
82	... ...	+ 1·0443	− 0·0104	...	+ 9·563	+ 0·130	...	...
83	6 Cancri	+ 3·6979	− 0·0148	− 0·003	+ 9·710	+ 0·468	+ 0·04	1149
84	15 Argus ι	+ 2·5609	+ 0·0009	− 0·008	+ 10·195	+ 0·318	− 0·06	1170
85	Lalande 16007 ...	+ 3·3059	− 0·0076	...	+ 10·394	+ 0·407	...	...
86	... ...	+ 2·0676	+ 0·0014	...	+ 10·936	+ 0·248	...	...
87	... ...	+ 2·0724	+ 0·0014	...	+ 10·945	+ 0·248	...	...
88	V Cancri, Var 5 ...	+ 3·4270	− 0·0108	...	+ 11·112	+ 0·411	...	...
89	20 Cancri d^1	+ 3·4479	− 0·0114	− 0·005	+ 11·228	+ 0·413	+ 0·02	1185
90	33 Cancri η	+ 3·4825	− 0·0129	− 0·004	+ 11·892	+ 0·404	+ 0·05	1207
91	U Cancri, Var 4 ...	+ 3·4460	− 0·0124	...	+ 12·112	+ 0·397	...	...
92	11 Hydræ ϵ	+ 3·1956	− 0·0071	− 0·014	+ 12·901	+ 0·351	+ 0·02	1243
93	R. P. L. 60	+ 13·6983	− 1·7150	...	+ 13·479	+ 1·485	...	...
94	83 Cancri	+ 3·3669	− 0·0134	− 0·009	+ 14·903	+ 0·323	+ 0·14	1309
95	R. P. L. 69	+ 18·9411	− 5·5585	...	+ 16·244	+ 1·612	...	...
96	17 Leonis ϵ	+ 3·4219	− 0·0180	− 0·004	+ 16·365	+ 0·282	+ 0·01	1368
97	R. P. L. 70	+ 10·6457	− 1·5567	...	+ 16·832	+ 0·837	...	...
98	29 Leonis π	+ 3·1787	− 0·0080	− 0·004	+ 17·081	+ 0·236	+ 0·01	1398
99	Taylor 4503	+ 3·2199	− 0·0102	...	+ 17·435	+ 0·224	...	...
100	32 Leonis α (*Regulus*)	+ 3·2194	− 0·0102	− 0·018	+ 17·442	+ 0·225	− 0·02	1406
101	R. P. L. 72	+ 9·9019	− 1·6221	− 0·096	+ 17·835	+ 0·652	− 0·04	1399
102	41 Leonis γ^1... ...	+ 3·2967	− 0·0148	+ 0·021	+ 17·911	+ 0·208	+ 0·14	1432
103	30 Sextantis... ...	+ 3·0723	− 0·0030	− 0·003	+ 18·317	+ 0·175	+ 0·01	1459
104	... ...	+ 3·2065	− 0·0102	...	+ 18·318	+ 0·183	...	...
105	47 Leonis ρ	+ 3·1655	− 0·0080	− 0·001	+ 18·399	+ 0·176	− 0·01	1467

72.—Proper motions from Main's list.

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Mean Positions of Stars for 1875, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
106	Taylor 4850— 1st. ...	9·4	3	10	39	4·50	148	53	44·2	3	0·20
107	Taylor 4852—2nd ...	9·2	1	10	39	19·01	148	55	19·0	1	0·21
108	53 Leonis *l*	5·3	...	10	42	41·13	78	47	36·2	10	0·24
109	63 Leonis χ	4·7	...	10	58	34·08	81	59	17·9	11	0·25
110	68 Leoinis δ	2·8	...	11	7	27·49	68	47	29·4	14	0·25
111	12 Crateris δ	3·9	...	11	13	5·54	104	6	7·3	7	0·25
112	... ...	10·5	2	11	27	0·60	151	41	27·0	2	0·15
113	91 Leoins *v*	4·5	...	11	30	32·88	90	8	0·1	10	0·26
114	94 Leonis β (*Deneb*). ...	2·2	...	11	42	40·99	74	43	45·4	8	0·26
115	R. P. L. 87	8·0	...	11	53	0·97	2	18	34·8	7	0·75
116	R. P. L. 89	6·3	...	11	58	27·52	3	43	13·7	1	0·81
117	2 Corvi ε	3·1	...	12	3	41·96	111	55	27·7	2	0·31
118	R. P. L. 90	7·7	...	12	7	20·66	2	22	20·4	7	0·34
119	T Virginis, Var. 4 ...	9·8	9	12	8	11·93	95	20	27·4	10	0·23
120	... ...	8·7	5	12	8	37·63	138	27	16·4	5	0·29
121	... ...	9·6	4	12	10	31·36	138	29	43·9	4	0·32
122	... ...	9·0	2	12	11	25·42	138	25	36·7	3	0·23
123	R. P. L. 92	6·7	...	12	13	13·14	2	52	10·3	6	0·56
124	R. P. L. 93	6·7	...	12	14	20·66	1	36	25·1	12	0·46
125	... ...	9·0	2	12	17	55·33	24	46	44·3	2	0·21
126	α Crucis—2nd	...	...	12	19	40·19	152	24	26·1	5	0·20
127	... ...	9·5	2	12	25	11·65	151	48	34·4	2	0·36
128	9 Corvi β	2·8	...	12	27	49·33	112	42	19·4	4	0·31
129	R. P. L. 98	6·6	...	12	48	7·59	5	54	8·1	3	0·89
130	R. P. L. 99	5·6	...	12	48	15·19	5	54	26·4	2	0·52
131	12 Canum Venaticorum α	3·1	...	12	50	10·69	51	0	22·2	13	0·31
132	51 Virginis θ	4·4	...	13	3	28·71	94	52	15·5	16	0·33
133	R. P. L. 101	7·5	...	13	8	30·08	1	40	50·1	3	0·46
134	67 Virginis α (*Spica*) ...	1·2	...	13	18	36·49	100	30	28·6	10	0·32
135	W Virginis, Var. 9 ...	9·6	9	13	19	35·24	92	43	40·1	10	0·23
136	R. P. L. 103	7·0	...	13	19	44·88	4	35	32·8	4	0·83
137	V Virginis Var. 7 ...	10·1	7	13	21	21·08	92	31	27·8	7	0·34
138	... ...	10·9	2	13	23	51·94	88	41	39·4	2	0·36
139	79 Virginis ζ	3·5	...	13	28	19·48	89	57	21·5	8	0·34
140	... ...	9·3	5	13	36	11·84	137	1	43·4	5	0·22

116.—Groombridge 1850.
118.—Carrington 1816.
123.—Groombridge 1871.
124.—Groombridge 1884.
129.—Groombridge 1937.
130.—Groombridge 1940.
133.—Groombridge 2006.
136.—Groombridge 2007.
140.—Comparison star for comet in 1873.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	Secular Variation.	Proper Motion.	In Polar Distance. Annual Precession.	Secular Variation.	Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
106	Taylor 4850—1st ...	+ 2·3060	+ 0·0212	...	+ 18·817	+ 0·109	...	...
107	Taylor 4852—2nd ...	+ 2·3073	+ 0·0212	...	+ 18·825	+ 0·108	...	...
108	53 Leonis *l*	+ 3·1599	− 0·0080	− 0·002	+ 18·924	+ 0·145	+ 0·02	1500
109	63 Leonis χ	+ 3·1220	− 0·0056	− 0·026	+ 19·338	+ 0·113	+ 0·02	1535
110	68 Leonis δ	+ 3·1901	− 0·0132	+ 0·010	+ 19·530	+ 0·098	+ 0·12	1546
111	12 Crateris δ... ...	+ 3·0039	+ 0·0064	− 0·011	+ 19·636	+ 0·081	− 0·21	1557
112	... ...	+ 2·7161	+ 0·0424	...	+ 19·847	+ 0·048	...	...
113	91 Leonis υ	+ 3·0718	+ 0·0003	− 0·002	+ 19·889	+ 0·049	− 0·05	1586
114	94 Leonis β (*Deneb*)	+ 3·0998	− 0·0074	− 0·036	+ 19·997	+ 0·025	+ 0·10	1605
115	R. P. L. 87	+ 4·0812	− 1·2257	...	+ 20·045	+ 0·009	...	...
116	R. P. L. 89	+ 3·2107	− 0·4990	...	+ 20·050	− 0·006	...	...
117	2 Corvi ε	+ 3·0809	+ 0·0142	− 0·006	+ 20·052	− 0·016	− 0·02	1626
118	R. P. L. 90	+ 2·0385	− 0·2328	...	+ 20·045	− 0·019	...	...
119	T Virginis, Var. 4 ...	+ 3·0767	+ 0·0052	...	+ 20·041	− 0·025	...	...
120	... ...	+ 3·1290	+ 0·0373	...	+ 20·040	− 0·026	...	...
121	... ...	+ 3·1416	+ 0·0378	...	+ 20·033	− 0·030	...	...
122	... ...	+ 3·1473	+ 0·0379	...	+ 20·030	− 0·032	...	...
123	R. P. L. 92	+ 1·5346	+ 0·0049	+ 0·285	+ 20·021	− 0·022	+ 0·02	1656
124	R. P. L. 93	+ 0·0934	+ 1·0162	− 0·152	+ 20·015	− 0·010	− 0·07	Main
125	... ...	+ 2·8460	− 0·0523	...	+ 19·993	− 0·041	...	...
126	α Crucis—2nd ...	+ 3·2914	+ 0·0680	− 0·006	+ 19·980	− 0·050	+ 0·04	Stone
127	... ...	+ 3·3459	+ 0·0685	...	+ 19·933	− 0·063	...	...
128	9 Corvi β	+ 3·1399	+ 0·0164	− 0·003	+ 19·907	− 0·064	+ 0·05	1685
129	R. P. L. 98	+ 0·3764	+ 0·2187	− 0·017	+ 19·614	− 0·019	− 0·02	1730
130	R. P. L. 99	+ 0·3716	+ 0·2195	− 0·020	+ 19·611	− 0·019	− 0·02	1731
131	12 Canum Venat. α ...	+ 2·8371	− 0·0152	− 0·022	+ 19·576	− 0·098	− 0·07	1725
132	51 Virginis θ... ...	+ 3·1034	+ 0·0078	− 0·004	+ 19·290	− 0·132	+ 0·04	1747
133	R. P. L. 101	− 10·3459	+ 7·5327	...	+ 19·167	+ 0·436	...	...
134	67 Virginis α (*Spica*)	+ 3·1556	+ 0·0116	− 0·004	+ 18·886	− 0·163	+ 0·02	1774
135	W Virginis, Var. 9 ...	+ 3·0939	+ 0·0074	...	+ 18·863	− 0·162	...	...
136	R. P. L. 103	+ 2·6031	+ 0·9508	...	+ 18·853	+ 0·122	...	...
137	V Virginis, Var. 7 ...	+ 3·0927	+ 0·0073	...	+ 18·804	− 0·164	...	...
138	... ...	+ 3·0614	+ 0·0055	...	+ 18·726	− 0·167	...	...
139	79 Virginis ζ ...	+ 3·0718	+ 0·0064	− 0·021	+ 18·584	− 0·176	− 0·06	1789
140	... ...	+ 3·6570	+ 0·0468	...	+ 18·313	− 0·225	...	...

124.—Proper motions from Main's list.

126.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1875, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
141	Bonn + 0°. 3091... ...	10·4	1	13	36	30·77	89	38	19.1	1	0·27
142	Lacaille 5661	7·9	3	13	37	43·74	138	9	49·7	3	0·24
143	... ...	8·5	4	13	39	48·52	138	53	29·8	4	0·26
144	... ...	8·3	2	13	40	4·81	138	32	18·6	2	0·27
145	8 Bootis *η*	2·9	...	13	48	43·99	70	58	28·5	13	0·36
146	*β* Centauri	1·2	...	13	55	0·93	149	46	5·7	3	0·25
147	93 Virginis *τ*	4·4	...	13	55	17·15	87	50	57·9	11	0·37
148	... ...	9·7	1	14	1	8·83	150	54	17·9	1	0·29
149	R. P. L. 108	7·8	...	14	2	30·04	3	38	39·9	2	0·61
150	... ...	9·4	6	14	3	7·31	101	48	34·8	6	0·23
151	... ...	10·4	9	14	5	23·29	102	9	57·3	9	0·30
152	... ...	9·0	2	14	6	48·88	102	21	16·1	2	0·24
153	16 Bootis *α* (*Arcturus*).....	0·0	...	14	9	57·62	70	9	57·2	10	0·37
154	... ...	10·2	1	14	18	3·51	123	16	27·5	1	0·27
155	S Bootis Var. 2	8·0	1	14	18	41·78	35	37	10·9	2	0·23
156	... ...	10·3	3	14	20	6·11	124	31	48·2	3	0·27
157	25 Bootis *ρ*	3·6	...	14	26	26·56	59	4	44·2	11	0·41
158	O. A. N. 14652	9·0	1	14	27	11·28	20	9	52·0	1	0·23
159	*α*¹ Centauri	1·0	...	14	31	7·52	150	19	9·5	3	0 30
160	*α*² Centauri	4·0	...	14	31	7·57	150	19	4·4	4	0·26
161	36 Bootis *ε* (*Mirac*) ...	2·6	...	14	39	31·70	62	23	51·5	13	0·41
162	9 Libræ *α*²	3·0	...	14	43	57·90	105	31	16·0	12	0·41
163	... ...	9·9	1	14	48	21·49	150	43	44·0	1	0·26
164	43 Bootis *ψ*	4·5	...	14	59	5·38	62	33	49·8	8	0·41
165	... ...	9·0	5	15	0	57·29	123	28	3·0	5	0·28
166	... ...	9·6	4	15	1	11·10	150	59	5·1	3	0·31
167	... ...	8·9	5	15	1	59·67	123	20	4·3	5	0·27
168	R. P. L. 111	7·0	...	15	4	28·05	5	33	59·9	4	0·72
169	... ...	8·7	1	15	7	26·15	130	28	59·4	1	0·27
170	27 Libræ *β*	2·7	...	15	10	16·92	98	55	12·1	9	0·41
171	Redhill 2293	...	...	15	13	14·44	4	23	38·1	9	0·33
172	R. P. L. 114	6·9	...	15	18	18·05	2	17	24·4	12	0·34
173	31 Libræ *ε*	5·2	...	15	18	25·33	99	52	16·5	2	0·25
174	W. B. E. XV. 319 ...	9·1	3	15	18	47·52	102	25	39·7	3	0·27
175	5 Cor. Bor. *a* (*Alpheta*) ...	2·4	...	15	29	23·76	62	51	47·8	6	0·41

141.—Comparison star for Isis in 1871.
142—143—144.—Comparison stars for comet in 1873.
149.—Groombridge 2099.
150—151—152.—Comparison stars for Mars in 1873.
158.—Comparison star for comet 2, 1862.
167.—Comparison star for Euphrosyne in 1874.
168.—Groombridge 2213.
172.—Groombridge 2283.
174.—Comparison star for comet in 1867.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
141	Bonn + 0° . 3091 ...	+ 3·0688	+ 0·0065	...	+ 18·302	− 0·191	...	...
142	Lacaille 5661 ...	+ 3·6899	+ 0·0491	...	+ 18·258	− 0·231	...	...
143	... ...	+ 3·7185	+ 0·0507	...	+ 18·183	− 0·237	...	...
144	... ...	+ 3·7121	+ 0·0500	...	+ 18·173	− 0·237	...	...
145	8 Bootis η	+ 2·8616	− 0·0006	− 0·005	+ 17·839	− 0·199	+ 0·34	1821
146	β Centauri	+ 4·1759	+ 0·0841	− 0·010	+ 17·581	− 0·301	+ 0·05	Stone
147	93 Virginis τ... ...	+ 3·0480	+ 0·0064	− 0·001	+ 17·570	− 0·221	+ 0·03	1829
148	... ...	+ 4·2839	+ 0·0897	...	+ 17·317	− 0·320	...	...
149	R. P. L. 108	− 7·6206	+ 2·4175	...	+ 17·257	+ 0·559	...	...
150	... ...	+ 3·2153	+ 0·0134	...	+ 17·230	− 0·247	...	...
151	... ...	+ 3·2221	+ 0·0136	...	+ 17·127	− 0·251	...	...
152	... .	+ 3·2260	+ 0·0137	...	+ 17·062	− 0·254	...	...
153	16 Bootis α	+ 2·8132	+ 0·0004	− 0·080	+ 16·916	− 0·227	+ 1·98	1847
154	... ...	+ 3·5694	+ 0·0292	...	+ 16·524	− 0·301	...	...
155	S. Bootis, Var 2 ...	+ 2·0106	− 0·0022	...	+ 16·492	− 0·174	...	...
156	... ...	+ 3·6002	+ 0·0304	...	+ 16·423	− 0·308	...	...
157	25 Bootis ρ	+ 2·5946	− 0·0015	− 0·009	+ 16·098	− 0·233	− 0·13	1869
158	O. A. N. 14652 ...	+ 0·8916	+ 0·0366	..	+ 16·060	− 0·084	...	...
159	α¹ Centauri	+ 4·5092	+ 0·0878	− 0·476	+ 15·850	− 0·410	− 0·81	Stone
160	α² Centauri	+ 4·5092	+ 0·0878	− 0·476	+ 15·850	− 0·410	− 0·81	Stone
161	36 Bootis ε	+ 2·6240	− 0·0001	− 0·004	+ 15·389	− 0·252	− 0·00	1890
162	9 Libræ α²	+ 3·3157	+ 0·0154	− 0·009	+ 15·137	− 0·324	+ 0·07	1894
163	... ...	+ 4·6709	+ 0·0883	...	+ 14·883	− 0·460	...	...
164	43 Bootis ψ	+ 2·5834	+ 0·0010	− 0·015	+ 14·237	− 0·271	+ 0·01	1922
165	... ...	+ 3·6997	+ 0·0276	...	+ 14·122	− 0·389	...	...
166	... ...	+ 4·7854	+ 0·0878	...	+ 14·107	− 0·502	...	...
167	... ...	+ 3·6994	+ 0·0275	...	+ 14·057	− 0·391	...	...
168	R. P. L. 111	− 6·8150	+ 1·1676	...	+ 13·901	+ 0·710	...	...
169	... ...	+ 3·9050	+ 0·0349	...	+ 13·713	− 0·420	...	...
170	27 Libræ β	+ 3·2271	+ 0·0117	− 0·008	+ 13·530	− 0·353	+ 0·02	1934
171	Redhill 2293 ...	− 9·9211	+ 1·9443	...	+ 13·338	+ 1·075	...	...
172	R. P. L. 114	− 22·3778	+ 7·5556	...	+ 13·003	+ 2·478	...	...
173	31 Libræ ε	+ 3·2494	+ 0·0120	− 0·008	+ 12·997	− 0·367	+ 0·15	1944
174	W. B. E. XV. 319 ...	+ 3·2969	+ 0·0131	...	+ 12·972	− 0·373	...	...
175	5 Coronæ Borealis α...	+ 2·5297	+ 0·0023	+ 0·009	+ 12·250	− 0·297	+ 0·09	1973

146—159—160.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1875, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
176	... ...	9·3	3	15	29	39·34	119	39	59·6	3	0·35
177	Lalande 28530	9·0	2	15	32	13·48	47	27	28·5	2	0·27
178	... ...	9·7	4	15	33	0·50	116	38	49·6	4	0·35
179	... ...	9·4	3	15	34	18·36	126	37	23·0	3	0·33
180	24 Serpentis α	2·7	...	15	38	6·70	83	10	45·8	6	0·42
181	O. A. S. 14841	9·0	2	15	38	27·85	114	9	44·2	2	0·34
182	Lacaille 6524	6·0	4	15	41	24·73	144	40	17·5	4	0·28
183	... ...	10·2	3	15	42	59·30	61	48	47·9	3	0·35
184	O. A. S. 14934	9·6	2	15	43	27·10	107	54	28·5	2	0·29
185	... ...	9·2	3	15	44	34·76	104	23	35·2	3	0·31
186	W. B. E. XV. 861 ...	9·5	3	15	46	8·29	101	27	30·8	3	0·34
187	Radcliffe 3462	8·0	2	15	46	42·92	47	3	35·4	2	0·32
188	R. P. L. 115	7·0	...	15	46	45·09	4	45	56·0	14	0·26
189	... ...	9·1	5	15	47	1·88	147	12	42·9	5	0·36
190	16 Ursæ Minoris ζ ...	4·5	...	15	48	34·52	11	49	18·3	1	0·30
191	4 Herculis	5·7	...	15	51	18·33	47	4	8·9	1	0·30
192	... ...	7·2	1	15	51	54·48	143	47	12·7	1	0·34
193	O. A. S. 15089	9·0	4	15	52	8·10	105	51	44·6	4	0·34
194	T Coronæ, Var. 3 ...	9·6	8	15	54	16·41	63	43	32·6	10	0·42
195	O. A. S. 15146	8·8	1	15	55	24·84	107	30	41·4	1	0·27
196	O. A. S. 15148	9·0	3	15	55	27·41	107	49	14·4	3	0·36
197	... ...	8·9	5	15	55	59·43	126	57	33·3	5	0·45
198	8 Scorpii β¹	8·0	...	15	58	10·29	109	27	40·3	5	0·50
199	... ...	8·1	1	16	0	35·60	105	18	9·6	1	0·27
200	R. P. L. 116	7·0	...	16	2	26·53	4	20	31·5	2	0·29
201	1 Ophiuchi δ	2·8	...	16	7	47·73	93	22	15·0	7	0·51
202	... ...	9·2	1	16	10	22·64	112	35	18·1	1	0·33
203	... ...	9·3	2	16	16	42·32	152	18	40·4	2	0·31
204	21 Scorpii α (*Antares*) ...	1·1	...	16	21	44·68	116	9	8·2	5	0·47
205	14 Draconis η	2·8	...	16	22	18·50	28	12	7·1	7	0·29
206	30 Herculis *g*, Var. 5 ...	Var.	...	16	24	32·12	47	50	31·5	4	0·32
207	... ...	9·2	3	16	24	42·75	152	16	30·5	4	0·37
208	O. A. S. 15722	9·9	3	16	26	8·92	111	5	14·2	5	0·52
209	... ...	8·2	5	16	27	4·49	132	57	1·8	5	0·36
210	... ...	9·0	2	16	29	21·95	152	18	8·8	3	0·39

181.—Comparison star for Iphigenia in 1873.
182—189.—Comparison stars for Niobe in 1874.
184—195—196.—Comparison stars for Sylvia in 1866.
185—193.—Comparison stars for Asia in 1861.
186.—Comparison star for Sappho in 1871.
188.—Carrington 2380.
197.—Comparison star for Thyra in 1874.
199.—Comparison star for Sappho in 1864.
200.—Carrington 2423.
202.—Observed for map of R. S. T. Scorpii, Vars.
208.—Comparison star for Donati's comet in 1858.
209.—Comparison star for Comet 2, 1862.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
176	... ...	+ 3·6758	+ 0·0224	...	+ 12·232	− 0·429	...	...
177	Lalande 28530 ...	+ 2·0918	+ 0·0025	...	+ 12·053	− 0·249	...	...
178	... ...	+ 3·6098	+ 0·0201	...	+ 11·999	− 0·426	...	...
179	... ...	+ 3·8719	+ 0·0278	...	+ 11·907	− 0·458	...	...
180	24 Serpentis α ...	+ 2·9420	+ 0·0062	+ 0·003	+ 11·638	− 0·354	− 0·06	1990
181	O. A. S. 14841 ...	+ 3·5613	+ 0·0181	...	+ 11·613	− 0·428	...	...
182	Lacaille 6524 ...	+ 4·6239	+ 0·0555	...	+ 11·402	− 0·560	...	...
183	... ...	+ 2·4798	+ 0·0027	...	+ 11·287	− 0·304	...	...
184	O. A. S. 14934 ...	+ 3·4299	+ 0·0145	...	+ 11·253	− 0·418	...	...
185	... ...	+ 3·3572	+ 0·0129	...	+ 11·172	− 0·411	...	...
186	W. B. E. XV. 861 ...	+ 3·2983	+ 0·0116	...	+ 11·059	− 0·406	...	...
187	Radcliffe 3462 ...	+ 2·0327	+ 0·0033	...	+ 11·017	− 0·252	...	...
188	R. P. L. 115	− 10·3281	+ 1·5336	...	+ 11·014	+ 1·254	...	...
189	... ...	+ 4·8080	+ 0·0613	...	+ 10·993	− 0·591	...	..
190	16 Ursæ Minoris ζ ...	− 2·2931	+ 0·2031	+ 0·003	+ 10·881	+ 0·276	+ 0·00	2041
191	4 Herculis	+ 2·0195	+ 0·0035	− 0·001	+ 10·679	− 0·254	+ 0·01	2028
192	... ...	+ 4·6204	+ 0·0506	...	+ 10·633	− 0·575	...	...
193	O. A. S. 15089 ...	+ 3·3945	+ 0·0131	...	+ 10·617	− 0·424	...	...
194	T Coronæ, Var. 3 ...	+ 2·5090	+ 0·0030	...	+ 10·458	− 0·316	...	...
195	O. A. S. 15146 ...	+ 3·4333	+ 0·0135	...	+ 10·372	− 0·432	...	...
196	O. A. S. 15148 ...	+ 3·4401	+ 0·0137	...	+ 10·369	− 0·433	...	...
197	... ...	+ 3·9345	+ 0·0253	...	+ 10·329	− 0·495	...	...
198	8 Scorpii β¹	+ 3·4794	+ 0·0142	− 0·003	+ 10·165	− 0·441	+ 0·03	2034
199	... ...	+ 3·3896	+ 0·0123	...	+ 9·982	− 0·432	...	...
200	R. P. L. 116	− 12·2678	+ 1·7486	...	+ 9·840	+ 1·555	...	...
201	1 Ophiuchi δ... ...	+ 3·1417	+ 0·0081	− 0·005	+ 9·431	− 0·408	+ 0·14	2065
202	... ...	+ 3·5660	+ 0·0147	...	+ 9·230	− 0·465	...	...
203	... ...	+ 5·3656	+ 0·0682	...	+ 8·736	− 0·706	...	...
204	21 Scorpii α (*Antares*).	+ 3·6693	+ 0·0150	− 0·002	+ 8·337	− 0·491	+ 0·03	2091
205	14 Draconis η ...	+ 0·8022	+ 0·0188	+ 0·006	+ 8·292	− 0·111	− 0·05	2104
206	30 Herculis *g*, Var. 5.	+ 1·9653	+ 0·0042	0·000	+ 8·114	− 0·265	+ 0·04	2102
207	... ...	+ 5·3994	+ 0·0638	...	+ 8·100	− 0·722	...	...
208	O. A. S. 15722 ...	+ 3·5451	+ 0·0125	...	+ 7·985	− 0·477	...	...
209	... ...	+ 4·2159	+ 0·0253	...	+ 7·910	− 0·568	...	...
210	... ...	+ 5·4225	+ 0·0614	...	+ 7·726	− 0·731	...	...

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Mean Positions of Stars for 1875, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
211	... ...	7·2	4	16	29	35·93	133	8	34·2	5	0·64
212	... ...	9·6	2	16	29	54·82	130	32	45·5	2	0·49
213	... ...	9·2	5	16	31	28·82	121	28	25·3	5	0·49
214	Brisbane 5784	9·2	2	16	31	52·96	150	40	48·3	2	0·32
215	α Trianguli Australis ...	...	...	16	35	26·93	158	47	40·9	4	0·32
216	40 Herculis ζ	3·1	...	16	36	34·44	58	10	10·3	7	0·49
217	... ...	9·0	5	16	41	2·48	139	5	3·6	5	0·35
218	... ...	9·0	5	16	41	19·94	138	59	18·3	5	0·37
219	... ...	7·3	2	16	42	25·42	138	53	48·1	2	0·64
220	... ...	7·0	4	16	45	0·13	139	30	0·0	5	0·39
221	S Herculis, Var. 3 ...	8·7	5	16	46	12·50	74	50	47·3	5	0·31
222	49 Herculis	6·4	...	16	46	23·19	74	48	53·9	2	0·31
223	... ...	8·5	3	16	47	36·80	130	17	34·5	3	0·36
224	... ...	9·5	3	16	47	48·98	131	0	47·0	3	0·34
225	Taylor 7832	8·7	1	16	48	14·26	130	18	38·7	1	0·32
226	... ...	8·0	1	16	48	16·14	121	6	13·2	1	0·32
227	27 Ophiuchi κ	3·4	...	16	51	45·09	80	25	43·7	17	0·52
228	O. A. S. 16232	10·0	1	16	54	36·48	110	15	48·1	1	0·33
229	22 Ursæ Minoris ε ...	4·5	...	16	58	49·55	7	45	38·0	1	0·08
230	G. Z. C. XVII. 421 ...	9·5	2	17	6	22·99	130	54	33·9	2	0·33
231	G. Z. C. XVII. 442 ...	9·3	1	17	6	52·92	130	54	52·7	1	0·32
232	... ...	8·9	2	17	6	59·89	137	25	52·6	2	0·65
233	64 Herculis α, Var. 1 ...	Var.	...	17	8	56·86	75	27	54·5	15	0·52
234	42 Ophiuchi θ	3·4	...	17	14	20·07	114	52	21·6	5	0·55
235	... ...	9·0	4	17	22	36·44	131	54	38·2	4	0·40
236	23 Draconis β	3·0	...	17	27	36·60	37	36	16·7	3	0·36
237	G. Z. C. XVII. 1907 ...	9·2	1	17	27	58·31	150	36	7·6	1	0·33
238	55 Ophiuchi α	2·2	...	17	29	7·94	77	20	49·4	4	0·54
239	... ...	9·0	6	17	30	19·50	117	58	5·4	10	0·55
240	... ...	9·5	1	17	35	18·88	126	15	26·5	1	0·38
241	... ...	9·8	1	17	35	19·39	128	35	48·4	1	0·37
242	O. A. S. 17105	8·6	6	17	35	25·50	117	49	16·6	10	0·55
243	... ...	9·2	1	17	37	2·37	150	36	25·9	1	0·38
244	... ...	9·5	3	17	37	22·59	150	37	28·6	3	0·38
245	... ...	10·0	2	17	40	1·78	127	17	46·9	2	0·38

213.—Comparison star for Amphitrite in 1875.
217—218—219—220.—Comparison stars for comet in 1862.
226.—Comparison star for Alexandra in 1871.
228.—Observed for map of Serpentis, Var. 4
239—242.—Comparison stars for Mars in 1875.
240.—Comparison star for Donati's comet in 1858.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
211	... ...	+ 0·6262	+ 0·0249	...	+ 7·707	− 0·572	...	...
212	... ...	+ 4·1411	+ 0·0228	...	+ 7·681	− 0·561	...	...
213	... ...	+ 3·8303	+ 0·0164	...	+ 7·555	− 0·521	...	...
214	Brisbane 5784 ...	+ 5·2791	+ 0·0545	...	+ 7·522	− 0·715	...	...
215	α Trianguli Australis.	+ 6·2862	+ 0·0907	0·000	+ 7·232	− 0·858	+ 0·06	Stone
216	40 Herculis ζ ...	+ 2·2967	+ 0·0033	− 0·036	+ 7·140	− 0·316	− 0·41	2127
217	... ...	+ 4·5241	+ 0·0281	...	+ 6·773	− 0·624	...	...
218	... ...	+ 4·5200	+ 0·0279	...	+ 6·749	− 0·624	...	...
219	... ...	+ 4·5176	+ 0·0275	...	+ 6·659	− 0·624	...	...
220	... ...	+ 4·5545	+ 0·0271	...	+ 6·446	− 0·623	...	...
221	S Herculis, Var. 3 ...	+ 2·7288	+ 0·0039	...	+ 6·346	− 0·380	...	...
222	49 Herculis ..	+ 2·7279	+ 0·0040	+ 0·000	+ 6·331	− 0·381	+ 0·00	2144
223	... ...	+ 4·1497	+ 0·0186	...	+ 6·229	− 0·578	...	...
224	... ...	+ 4·1778	+ 0·0192	...	+ 6·212	− 0·581	...	...
225	Taylor 7832	+ 4·1514	+ 0·0186	...	+ 6·177	− 0·578	..	...
226	... ...	+ 3·8396	+ 0·0137	...	+ 6·174	− 0·536	...	...
227	27 Ophiuchi κ ...	+ 2·8567	+ 0·0044	− 0·021	+ 5·884	− 0·402	− 0·02	2156
228	O. A. S. 16232 ...	+ 3·5458	+ 0·0093	...	+ 5·645	− 0·498	...	...
229	22 Ursæ Minoris ε ...	− 6·3902	+ 0·3075	+ 0·009	+ 5·290	+ 0·897	+ 0·00	2201
230	G. Z. C. XVII. 421 ...	+ 4·1992	+ 0·0149	...	+ 4·649	− 0·597	...	...
231	G. Z. C. XVII. 442 ...	+ 4·1999	+ 0·0146	...	+ 4·607	− 0·598	...	...
232	... ...	+ 4·4891	+ 0·0187	...	+ 4·596	− 0·638	...	...
233	64 Herculis α, Var. 1.	+ 2·7342	+ 0·0035	− 0·002	+ 4·430	− 0·391	− 0·03	2183
234	42 Ophiuchi θ ...	+ 3·6797	+ 0·0080	− 0·002	+ 3·970	− 0·528	+ 0·04	2189
235	... ...	+ 4·2563	+ 0·0112	...	+ 3·258	− 0·614	...	...
236	23 Draconis β ...	+ 1·3538	+ 0·0052	− 0·002	+ 2·825	− 0·197	− 0·00	2221
237	G. Z. C. XVII. 1907...	+ 5·4221	+ 0·0219	...	+ 2·793	− 0·783	...	...
238	55 Ophiuchi α ...	+ 2·7748	+ 0·0030	+ 0·007	+ 2·693	− 0·402	+ 0·22	2218
239	... ...	+ 3·7762	+ 0·0061	...	+ 2·589	− 0·547	...	...
240	... ...	+ 4·0472	+ 0·0069	...	+ 2·156	− 0·587	...	...
241	... ...	+ 4·1332	+ 0·0072	...	+ 2·155	− 0·600	...	...
242	O. A. S. 17105 ...	+ 3·7737	+ 0·0055	...	+ 2·146	− 0·548	...	...
243	... ...	+ 5·4838	+ 0·0162	...	+ 2·004	− 0·797	..	...
244	... ...	+ 5·4858	+ 0·0155	...	+ 1·976	− 0·790	...	...
245	... ...	+ 4·0867	+ 0·0061	...	+ 1·746	− 0·594	...	...

215.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1875, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
246	86 Herculis μ	3·5	...	17	41	33·95	62	12	17·2	9	0·57
247	31 Draconis ψ¹—2nd ...	6·0	...	17	44	11·57	17	46	52·8	1	0·38
248	... ...	9·0	2	17	45	48·56	128	47	53·6	2	0·64
249	... ...	10·0	2	18	4	22·47	59	9	47·0	2	0·38
250	... ...	10·4	3	18	5	31·17	120	43	30·4	3	0·43
251	13 Sagittarii μ	4·1	...	18	6	17·25	111	5	21·7	9	0·59
252	... ...	8·0	2	18	7	26·88	122	22	36·9	2	0·39
253	... ...	9·5	1	18	8	48·80	122	24	31·6	1	0·68
254	24 Ursæ Minoris	5·9	...	18	17	3·77	3	0	47·9	10	0·53
255	... ...	10·5	1	18	30	6·53	136	54	58·4	2	0·53
256	3 Lyræ α (*Vega*)	0·2	...	18	32	42·35	51	19	52·8	2	0·66
257	10 Lyræ β¹, Var. 1 ...	Var.	...	18	45	27·88	56	46	51·1	3	0·59
258	R. P. L. 131	6·5	...	18	55	30·38	3	27	5·1	5	0·30
259	17 Aquilæ ζ	3·1	...	18	59	39·82	76	19	14·5	12	0·63
260	R Sagittarii, Var. 1 ...	8·0	4	19	9	21·56	109	31	31·2	4	0·48
261	O. A. S. 19353	7·7	2	19	11	0·30	116	17	49·9	2	0·43
262	O. A. S. 19366	8·3	2	19	11	19·08	116	15	57·3	2	0·50
263	25 Aquilæ ω	5·1	...	19	11	56·86	78	37	42·3	6	0·65
264	S Sagittarii, Var. 2 ...	10·8	2	19	12	6·87	109	14	56·8	3	0·56
265	30 Aquilæ δ	3·5	...	19	19	11·73	87	7	56·9	4	0·66
266	52 Sagittarii h²	4·6	...	19	29	5·88	115	9	26·9	1	0·68
267	50 Aquilæ γ	2·8	...	19	40	18·97	79	41	23·4	10	0·65
268	53 Aquilæ α (*Altair*) ...	1·0	...	19	44	41·06	81	27	36·2	5	0·67
269	60 Aquilæ β	4·0	...	19	49	10·38	83	54	12·9	4	0·68
270	R Sagittæ, Var. 1... ...	9·1	1	20	8	22·18	73	39	3·7	1	0·49
271	R Delphini, Var. 2 ...	9·5	8	20	8	52·93	81	17	19·6	9	0·72
272	6 Capricorni α²	3·8	...	20	11	7·06	102	55	52·5	1	0·60
273	... ...	10·5	1	20	16	37·84	106	30	35·7	2	0·55
274	24 Cephei (*Hev.*)	Var.	...	20	19	43·33	1	14	56·4	2	0·73
275	11 Capricorni ρ	5·0	...	20	21	43·64	108	13	29·4	5	0·72
276	Cordoba XX. 865... ...	8·6	4	20	26	14·00	150	24	22·7	4	0·58
277	R. P. L. 143	6·7	...	20	28	8·90	5	16	16·5	1	0·17
278	50 Cygni α (*Deneb*) ...	1·5	...	20	37	10·25	45	9	56·1	3	0·67
279	T Delphini, Var. 3 ...	9·0	7	20	39	33·71	74	3	14·4	7	0·38
280	... ...	10·5	4	20	39	45·16	74	3	11·6	4	0·71

258.—Carrington 2882.
261—262.—Comparison stars for D'Arrest's comet in 1870.
273.—Comparison star for Hestia in 1865.
274.—Ursæ Minoris, Var. 2.
277.—Carrington 3128.
280.—Observed for map of T Delphini, Var. 3.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
246	86 Herculis μ ...	+ 2·3697	+ 0·0025	− 0·024	+ 1·611	− 0·346	+ 0·75	2237
247	31 Draconis ψ¹—2nd..	− 1·0864	+ 0·0156	− 0·001	+ 1·382	+ 0·157	+ 0·28	2252
248	... ...	+ 4·1450	+ 0·0049	...	+ 1·241	− 0·604	...	...
249	... ...	+ 2·2743	+ 0·0021	...	− 0·382	− 0·332	...	...
250	... ...	+ 3·8667	+ 0·0007	...	− 0·483	− 0·564	...	...
251	13 Sagittarii μ ...	+ 3·5876	+ 0·0009	− 0·001	− 0·550	− 0·523	− 0·00	2284
252	... ...	+ 3·9194	+ 0·0001	...	− 0·652	− 0·571	...	...
253	... ...	+ 3·9203	− 0·0001	...	− 0·771	− 0·571	...	...
254	24 Ursæ Minoris ...	− 22·2522	− 0·6281	+ 0·085	− 1·492	+ 3·238	− 0·01	Gr.
255	... ...	+ 4·4894	− 0·0084	...	− 2·627	− 0·648	...	...
256	3 Lyræ α (*Vega*) ...	+ 2·0132	+ 0·0016	+ 0·017	− 2·852	− 0·290	− 0·30	2341
257	10 Lyræ β¹, Var. 1....	+ 2·2139	+ 0·0015	− 0·001	− 3·952	− 0·315	− 0·02	2369
258	R. P. L. 131	− 18·4472	− 1·5374	...	− 4·809	+ 2·614	...	...
259	17 Aquilæ ζ	+ 2·7578	+ 0·0003	− 0·003	− 5·162	− 0·387	+ 0·09	2405
260	R Sagittarii, Var. 1....	+ 3·5249	− 0·0060	...	− 5·977	− 0·488	...	...
261	O. A. S. 19353 ...	+ 3·7014	− 0·0086	...	− 6·114	− 0·511	...	...
262	O. A. S. 19366 ..	+ 3·7003	− 0·0085	...	− 6·140	− 0·511	...	...
263	25 Aquilæ ω ...	+ 2·8165	− 0·0008	− 0·001	− 6·193	− 0·388	− 0·03	2432
264	S Sagittarii, Var. 2. ...	+ 3·5161	− 0·0064	...	− 6·207	− 0·485	...	...
265	30 Aquilæ δ	+ 3·0092	− 0·0018	− 0·015	− 6·793	− 0·410	− 0·09	2451
266	52 Sagittarii h² ...	+ 3·6532	− 0·0102	+ 0·002	− 7·602	− 0·490	+ 0·01	2478
267	50 Aquilæ γ ...	+ 2·8519	− 0·0011	− 0·001	− 8·500	− 0·373	− 0·01	2511
268	53 Aquilæ α (*Altair*)...	+ 2·8920	− 0·0014	+ 0·035	− 8·845	− 0·374	− 0·38	2524
269	60 Aquilæ β	+ 2·9453	− 0·0020	+ 0·001	− 9·196	− 0·378	+ 0·47	2538
270	R Sagittæ, Var. 1. ...	+ 2·7398	− 0·0020	...	− 10·640	− 0·186	..	...
271	R Delphini, Var. 2. ...	+ 2·8990	− 0·0017	...	− 10·692	− 0·353	...	...
272	6 Capricorni α² ...	+ 3·3303	− 0·0084	+ 0·002	− 10·858	− 0·403	− 0·02	2595
273	... ...	+ 3·4001	− 0·0103	...	− 11·260	− 0·405	...	...
274	24 Cephei (*Hev.*) ...	− 47·1941	− 24·8275	...	− 11·483	+ 5·645	...	...
275	11 Capricorni ρ ...	+ 3·4309	− 0·0115	− 0·003	− 11·626	− 0·403	+ 0·01	2626
276	Cordoba XX. 865 ...	+ 4·9631	− 0·0750	...	− 11·945	− 0·575	...	...
277	R. P. L. 143 ...	− 8·4952	− 1·2729	...	− 12·079	+ 0·994	...	...
278	50 Cygni α (*Deneb*) ...	+ 2·0435	+ 0·0021	− 0·000	− 12·700	− 0·226	− 0·00	2679
279	T Delphini, Var. 3 ...	+ 2·7791	0·0000	...	− 12·862	− 0·305	. .	...
280	... ...	+ 2·7793	0·0000	...	− 12·874	− 0·305	...	...

254.—Proper motions from *Greenwich Catalogue* 1872.

Mean Positions of Stars for 1875, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
281	... ...	10·5	1	20	41	45·52	105	15	58·7	2	0·55
282	32 Vulpeculæ	5·1	...	20	49	13·98	62	25	0·8	6	0·73
283	64 Cygni ζ	3·4	...	21	7	36·95	60	17	6·1	14	0·72
284	22 Aquarii β	3·1	...	21	24	58·61	96	7	11·8	16	0·74
285	8 Pegasi ε...	2·4	...	21	38	2·75	80	41	49·7	9	0·76
286	... ...	10·0	1	21	41	24·31	102	29	23·6	1	0·72
287	16 Pegasi	5·0	...	21	47	22·50	64	39	44·2	8	0·76
288	34 Aquarii α	3·2	...	21	59	21·70	90	55	34·8	6	0·80
289	T Pegasi, Var. 4. ...	10·5	5	22	2	47·53	78	4	15·5	5	0·84
290	... ...	9·5	1	22	3	54·96	101	5	38·5	1	0·68
291	43 Aquarii θ	4·3	...	22	10	14·15	98	24	16·2	11	0·79
292	B. P. L. 150	5·5	...	22	22	56·55	4	31	21·2	6	0·48
293	B. P. L. 151	6·9	...	22	23	23·85	4	24	27·8	3	0·51
294	B. P. L. 153	7·6	...	22	28	2·55	2	33	16·1	3	0·15
295	62 Aquarii η	4·2	...	22	28	55·93	90	45	38·8	6	0·82
296	T Aquarii, Var. 3. ...	10·5	4	22	29	19·69	98	15	5·9	4	0·85
297	42 Pegasi ζ	3·6	...	22	35	13·58	79	49	13·2	11	0·83
298	... ...	7·1	3	22	46	24·26	130	5	2·7	3	0·89
299	24 Pis. Aus. α (*Fomalhaut*)	1·3	...	22	50	44·34	120	17	3·7	5	0·83
300	54 Pegasi α (*Markab*) ...	2·6	...	22	58	32·05	75	28	0·2	5	0·83
301	6 Piscium γ	3·8	...	23	10	41·05	87	23	59·3	8	0·85
302	W. B. E. XXIII. 190 ...	9·1	5	23	11	10·86	82	28	9·7	5	0·79
303	Lalande 45607	8·0	4	23	11	40·80	81	10	41·0	5	0·73
304	8 Piscium κ	5·0	...	23	20	31·44	89	25	42·1	8	0·86
305	W. B. E. XXIII. 424 ...	9·5	5	23	22	21·44	78	44	32·7	5	0·72
306	B. P. L. 158	5·7	...	23	27	49·34	3	22	56·1	6	0·58
307	17 Piscium ι	4·3	...	23	33	31·22	85	3	3·1	9	0·86
308	δ Sculptoris	4·6	...	23	42	24·63	118	49	17·0	5	0·88
309	G. C. Z. XXIII. 1321 ...	9·3	1	23	48	31·74	150	39	57·5	1	0·69
310	28 Piscium ω	4·2	...	23	52	53·54	83	49	41·5	3	0·88

292.—Groombridge 3820.
293.—Groombridge 3824.
294.—Carrington 3466.

302—303—305.—Comparison stars for Sappho in 1875.
306.—Groombridge 4101.

Observed with the Madras Meridian Circle in that Year.

Number.	Star	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
281	... ...	+ 3·3500	− 0·0109	...	− 13·008	− 0·367	...	...
282	32 Vulpeculæ ...	+ 2·5557	+ 0·0026	− 0·002	− 13·499	− 0·270	+ 0·00	2709
283	64 Cygni ζ	+ 2·5509	+ 0·0038	− 0·002	− 14·644	− 0·248	+ 0·07	2760
284	22 Aquarii β ...	+ 3·1619	− 0·0071	− 0·001	− 15·639	− 0·282	+ 0·00	2797
285	8 Pegasi ε	+ 2·9451	− 0·0005	+ 0·001	− 16·329	− 0·242	− 0·01	2835
286	... ...	+ 3·2407	− 0·0104	...	− 16·497	− 0·263	...	...
287	16 Pegasi	+ 2·7260	+ 0·0052	− 0·001	− 16·789	− 0·210	+ 0·00	2864
288	34 Aquarii α ...	+ 3·0831	− 0·0041	− 0·001	− 17·340	− 0·219	− 0·00	2890
289	T Pegasi, Var. 4 ...	+ 2·9340	+ 0·0015	...	− 17·488	− 0·203	...	...
290	... ...	+ 3·1993	− 0·0092	...	− 17·536	− 0·219	...	...
291	43 Aquarii θ... ...	+ 3·1632	− 0·0075	+ 0·006	− 17·798	− 0·205	+ 0·02	2929
292	R. P. L. 150	− 3·8738	− 1·2128	+ 0·053	− 18·282	+ 0·242	− 0·04	2993
293	R. P. L. 151	− 4·0246	− 1·2796	+ 0·025	− 18·300	+ 0·248	− 0·01	2997
294	R. P. L. 153	− 8·6321	− 4·0821	...	− 18·462	+ 0·500	...	...
295	62 Aquarii η... ...	+ 3·0791	− 0·0031	+ 0·006	− 18·492	− 0·166	+ 0·11	2979
296	T Aquarii, Var. 3 ...	+ 3·1470	− 0·0072	...	− 18·505	− 0·170	...	...
297	42 Pegasi ζ	+ 2·9854	+ 0·0023	+ 0·004	− 18·698	− 0·149	+ 0·02	2992
298	... ...	+ 3·4271	− 0·0317	...	− 19·029	− 0·150	...	...
299	24 Piscis Aust. α ...	+ 3·3046	− 0·0210	+ 0·023	− 19·146	− 0·135	+ 0·16	3032
300	54 Pegasi α (*Markab*).	+ 2·9804	+ 0·0056	+ 0·003	− 19·337	− 0·107	+ 0·03	3050
301	6 Piscium γ	+ 3·0592	+ 0·0005	+ 0·049	− 19·592	− 0·087	− 0·02	3082
302	W. B. E. XXIII. 190.	+ 3·0348	+ 0·0029	...	− 19·601	− 0·086	...	...
303	Lalande 45607 ...	+ 3·0288	+ 0·0036	...	− 19·609	− 0·085	...	...
304	8 Piscium κ	+ 3·0699	0·0000	+ 0·004	− 19·758	− 0·069	+ 0·10	3116
305	W. B. E. XXIII. 424.	+ 3·0287	+ 0·0055	...	− 19·784	− 0·065	...	...
306	R. P. L. 158	− 0·0934	− 0·5293	+ 0·084	− 19·857	+ 0·011	− 0·00	3147
307	17 Piscium ι... ...	+ 3·0588	+ 0·0030	+ 0·023	− 19·921	− 0·042	+ 0·44	3148
308	δ Sculptoris	+ 3·1286	− 0·0161	+ 0·009	− 19·995	− 0·026	+ 0·10	Stone
309	G. C. Z. XXIII. 1321.	+ 3·1912	− 0·0561	...	− 20·030	− 0·015	...	...
310	28 Piscium ω ...	+ 3·0677	+ 0·0047	+ 0·009	− 20·045	− 0·005	+ 0·11	3191

308.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1875, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
281	... ...	10·5	1	20	41	45·52	105	15	58·7	2	0·55
282	32 Vulpeculæ	5·1	...	20	49	13·98	62	25	0·8	6	0·73
283	64 Cygni ζ	3·4	...	21	7	36·95	60	17	6·1	14	0·72
284	22 Aquarii β	3·1	...	21	24	58·61	96	7	11·8	16	0·74
285	8 Pegasi ε...	2·4	...	21	38	2·75	80	41	49·7	9	0·76
286	... ...	10·0	1	21	41	24·31	102	29	23·6	1	0·72
287	16 Pegasi	5·0	...	21	47	22·50	64	39	44·2	8	0·76
288	34 Aquarii α	3·2	...	21	59	21·70	90	55	34·8	6	0·80
289	T Pegasi, Var. 4. ...	10·5	5	22	2	47·53	78	4	15·5	5	0·84
290	... ...	9·5	1	22	3	54·96	101	5	38·5	1	0·68
291	43 Aquarii θ	4·3	...	22	10	14·15	98	24	16·2	11	0·79
292	R. P. L. 150	5·5	...	22	22	56·55	4	31	21·2	6	0·43
293	R. P. L. 151	6·9	...	22	23	23·85	4	24	27·8	3	0·51
294	R. P. L. 153	7·6	...	22	28	2·55	2	33	16·1	3	0·15
295	62 Aquarii η	4·2	...	22	28	55·93	90	45	38·8	6	0·82
296	T Aquarii, Var. 3. ...	10·5	4	22	29	19·69	98	15	5·9	4	0·85
297	42 Pegasi ζ	3·6	...	22	35	13·58	79	49	13·2	11	0·83
298	... ...	7·1	3	22	46	24·26	130	5	2·7	3	0·89
299	24 Pis. Aus. α (*Fomalhaut*)	1·3	...	22	50	44·34	120	17	3·7	5	0·83
300	54 Pegasi α (*Markab*) ...	2·6	...	22	58	32·05	75	28	0·2	5	0·83
301	6 Piscium γ	3·8	...	23	10	41·05	87	23	59·3	8	0·85
302	W. B. E. XXIII. 190 ...	9·1	5	23	11	10·86	82	28	9·7	5	0·79
303	Lalande 45607	8·0	4	23	11	40·80	81	10	41·0	5	0·73
304	8 Piscium κ	5·0	...	23	20	31·44	89	25	42·1	8	0·86
305	W. B. E. XXIII. 424 ...	9·5	5	23	22	21·44	78	44	32·7	5	0·72
306	R. P. L. 158	5·7	...	23	27	49·34	3	22	56·1	6	0·58
307	17 Piscium ι	4·3	...	23	33	31·22	85	3	3·1	9	0·86
308	δ Sculptoris	4·6	...	23	42	24·63	118	49	17·0	5	0·88
309	G. C. Z. XXIII. 1321 ...	9·3	1	23	48	31·74	150	39	57·5	1	0·69
310	28 Piscium ω	4·2	...	23	52	53·54	83	49	41·5	3	0·88

292.—Groombridge 3820.
293.—Groombridge 3824.
294.—Carrington 3466.

302—303—305.—Comparison stars for Sappho in 1875.
306.—Groombridge 4101.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
281	... ...	+ 3·3500	− 0·0109	...	− 13·008	− 0·367	...	...
282	32 Vulpeculæ ...	+ 2·5557	+ 0·0026	− 0·002	− 13·499	− 0·270	+ 0·00	2709
283	64 Cygni ζ	+ 2·5509	+ 0·0038	− 0·002	− 14·644	− 0·248	+ 0·07	2760
284	22 Aquarii β ...	+ 3·1619	− 0·0071	− 0·001	− 15·639	− 0·282	+ 0·00	2797
285	8 Pegasi ε	+ 2·9451	− 0·0005	+ 0·001	− 16·329	− 0·242	− 0·01	2835
286	... ...	+ 3·2407	− 0·0104	...	− 16·497	− 0·263	...	...
287	16 Pegasi	+ 2·7260	+ 0·0052	− 0·001	− 16·789	− 0·210	+ 0·00	2864
288	34 Aquarii α ...	+ 3·0831	− 0·0041	− 0·001	− 17·340	− 0·219	− 0·00	2890
289	T Pegasi, Var. 4 ...	+ 2·9340	+ 0·0015	...	− 17·488	− 0·203	...	...
290	... ...	+ 3·1993	− 0·0092	...	− 17·536	− 0·219	...	...
291	43 Aquarii θ... ...	+ 3·1632	− 0·0075	+ 0·006	− 17·798	− 0·205	+ 0·02	2929
292	R. P. L. 150	− 3·8738	− 1·2128	+ 0·053	− 18·282	+ 0·242	− 0·04	2993
293	R. P. L. 151	− 4·0246	− 1·2796	+ 0·025	− 18·300	+ 0·248	− 0·01	2997
294	R. P. L. 153	− 8·6321	− 4·0821	...	− 18·462	+ 0·500	...	...
295	62 Aquarii η... ...	+ 3·0791	− 0·0031	+ 0·006	− 18·492	− 0·166	+ 0·11	2979
296	T Aquarii, Var. 3 ...	+ 3·1470	− 0·0072	...	− 18·505	− 0·170	...	...
297	42 Pegasi ζ	+ 2·9854	+ 0·0023	+ 0·004	− 18·698	− 0·149	+ 0·02	2992
298	... ...	+ 3·4271	− 0·0317	...	− 19·029	− 0·150	...	...
299	24 Piscis Aust. α ...	+ 3·3046	− 0·0210	+ 0·023	− 19·146	− 0·135	+ 0·16	3032
300	54 Pegasi α (*Markab*).	+ 2·9804	+ 0·0056	+ 0·003	− 19·337	− 0·107	+ 0·03	3050
301	6 Piscium γ	+ 3·0592	+ 0·0005	+ 0·049	− 19·592	− 0·087	− 0·02	3082
302	W. B. E. XXIII. 190.	+ 3·0348	+ 0·0029	...	− 19·601	− 0·086	...	...
303	Lalande 45607 ...	+ 3·0288	+ 0·0036	...	− 19·609	− 0·085	...	...
304	8 Piscium κ	+ 3·0699	0·0000	+ 0·004	− 19·758	− 0·069	+ 0·10	3116
305	W. B. E. XXIII. 424.	+ 3·0287	+ 0·0055	...	− 19·784	− 0·065	...	...
306	R. P. L. 158	− 0·0934	− 0·5293	+ 0·084	− 19·857	+ 0·011	− 0·00	3147
307	17 Piscium ι... ...	+ 3·0588	+ 0·0030	+ 0·028	− 19·921	− 0·042	+ 0·44	3148
308	δ Sculptoris	+ 3·1286	− 0·0161	+ 0·009	− 19·995	− 0·026	+ 0·10	Stone
309	G. C. Z. XXIII. 1321.	+ 3·1912	− 0·0561	...	− 20·030	− 0·015	...	...
310	28 Piscium ω ...	+ 3·0677	+ 0·0047	+ 0·009	− 20·045	− 0·005	+ 0·11	3191

308.—Proper motions from *Stone's Cape Catalogue.*

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SEPARATE RESULTS

OF

OBSERVATIONS

OF THE FIXED STARS

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1876

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Separate Results of Madras Meridian Circle Observations in 1876.

Number and Date.	Magnitude.	Mean Right Ascension 1876. h.	m.	s.	No. of Wires.	Mean Polar Distance 1876. °	′	″	Observer.
1			*11 Cassiopeiæ β*						
Dec. 12	2·7	0	2	34·34	...	31	32	4·1	M
19	2·6		2	34·17	...		32	3·5	M
2			*ε Phœnicis.*						
Dec. 16	4·3	0	3	6·75	...	136	25	53·7	M
18	4·4		3	6·87	...		25	55·5	M
3			*8 Ceti ι*						
Dec. 12	4·0	0	13	6·63	...	99	30	42·3	M
13	4·6		13	6·67	...		30	42·4	M
14	4·6		13	6·58	...		30	42·4	M
15	4·7		13	6·44	...		30	42·2	M
4			*O. A. N. 282.*						
Oct. 30	8·1	0	16	42·34	...	34	53	7·9	M
31	8·1		16	42·22	...		53	8·2	M
Nov. 1	8·2		16	42·22	...		53	8·1	M
2	8·2		16	42·30	...		53	8·4	M
3	8·1		16	42·45	...		53	7·6	M
5			*κ Phœnicis.*						
Dec. 13	4·3	0	20	6·02	...	134	22	6·7	M
14	4·0		20	5·82	...		22	8·1	M
15	4·2		20	5·78	...		22	6·5	M
6			*α Phœnicis.*						
Dec. 16	2·0	0	20	9·02	...	132	58	48·2	M
18	2·2		20	9·33	...		58	47·8	M
19	2·0		20	9·05	...		58	46·8	M
7			*12 Ceti.*						
Nov. 27	...	0	23	42·65	...	94	38	34·3	M
8			*β Tucanæ—1st.*						
Dec. 12	4·3	0	25	51·32	...	153	38	32·7	M
19	4·4		25	51·45	...		38	33·5	M
9			*β Tucanæ—2nd.*						
Dec. 20	4.6	0	25	52·05	5	153	38	55·3	M
21	4·7		25	52·16	...		38	58·0	M
22	4·7		25	51·81	5		38	58·9	M
10			*31 Andromedæ δ*						
Dec. 13	3·9	0	32	42·14	...	59	49	4·7	M
14	3·6		32	42·01	...		49	5·3	M
15	3·7		32	42·00	...		49	7·0	M
11			*16 Ceti β*						
Nov. 14	...	0	37	21·80	...	108	40	3·2	M
12			*24 Cassiopeiæ η—1st.*						
Dec. 12	4·4	0	41	36·81	...	32	50	33·6	M
13	4·3		41	36·76	...		50	34·7	M
14	4·4		41	36·83	...		50	34·3	M
15	4·0		41	36·99	...		50	35·1	M
13			*24 Cassiopeiæ η—2nd.*						
Dec. 16	8·3	0	41	36·97	...	32	50	38·4	M
18	8·2		41	37·03	...		50	39·4	M
20	8·5		41	36·94	...		50	37·0	M
21	8·4		41	37·16	...		50	38·3	M
14			*27 Cassiopeiæ γ*						
Dec. 14	3·0	0	49	14·37	...	29	57	19·8	M
16	3·0		49	14·48	...		57	16·4	M
19	3·4		49	14·36	...		57	18·0	M
15			*2 Ursæ Minoris.*						
Nov. 27	...	0	52	8·14	3	4	24	33·8	M
Dec. 15	...		52	8·09	3		24	33·2	M
18	...		52	6·98	3		24	32·7	M
20	...		52	8·61	3		24	33·2	M

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		2 Ursæ Minoris—s.p.			
Apl. 27	...	0 52 6·73	3	4 24 36·2	B
May 3	...	52 6·63	3	24 38·1	B
16	...	52 6·24	3	24 35·8	B
16		*R. P. L. 14—s.p.*			
Apl. 28	...	0 55 35·50	3	3 30 58·5	B
May 9	...	55 34·84	3	31 2·2	B
17		*71 Piscium ε*			
Nov. 14	...	0 56 30·55	...	82 46 41·3	M
18		*β Phœnicis.*			
Dec. 12	3·7	1 0 33·14	...	137 23 0·3	M
13	3·7	0 32·87	...	23 1·8	M
14	3·7	0 32·73	...	23 1·6	M
15	3·7	0 32·74	...	23 0·9	M
19		*31 Ceti η*			
Dec. 16	4·0	1 2 21·03	...	100 50 24·4	M
20	3·9	2 21·07	...	50 24·9	M
20		*43 Andromedæ β, Mirac.*			
Dec. 19	2·6	1 2 47·56	...	55 2 15·2	M
July 21	2·3	2 47·48	...	2 14·9	M
21		*R. P L. 18—s.p.*			
May 13	...	1 11 52·92	2	2 5 5·5	B
22		*37 Cassiopeiæ δ*			
Dec. 13	3·2	1 17 43·28	...	30 24 37·6	M
14	3·2	17 43·30	...	24 36·7	M
15	3·4	17 43·32	...	24 38·1	M
23		*45 Ceti θ¹*			
Dec. 20	...	1 17 49·54	...	98 49 25·2	M
21	...	17 49·38	...	49 24·1	M
22	...	17 49·36	...	49 25·9	M
24		*γ Phœnicis.*			
Dec. 16	3·4	1 22 58·66	...	133 57 15·9	M
19	3·4	22 58·65	...	57 16·2	M
29	3·3	22 58·60	...	57 15·6	M
25		*δ Phœnicis.*			
Dec. 15	4·1	1 26 4·94	...	139 43 4·5	M
20	4·4	26 5·06	...	43 3·3	M
22	4·4	26 5·12	...	43 4·4	M
26		*106 Piscium ν*			
Nov. 14	...	1 34 58·67	...	85 8 24·8	M
30	...	34 58·76	...	8 23·1	M
Dec. 12	...	34 58·66	...	8 25·7	M
13	...	34 58·82	...	8 25·2	M
15	...	34 58·76	...	8 26·2	M
18	...	34 58·78	...	8 26·1	M
21	...	34 58·65	...	8 24·9	M
27		*52 Ceti τ*			
Dec. 16	3·9	1 38 18·30	...	106 35 27·9	M
19	3·7	38 18·10	...	35 27·5	M
22	3·9	38 18·05	...	35 27·4	M
29	3·8	38 18·20	...	35 28·1	B
28		*55 Ceti ζ*			
Dec. 16	3·5	1 45 20·32	...	100 56 55·1	M
19	3·3	45 20·40	...	56 54·6	M
29	3·6	45 20·62	...	56 55·6	B
29		*45 Cassiopeiæ ε*			
Dec. 13	3·0	1 45 29·46	6	26 56 31·0	M
20	3·0	45 29·70	...	56 29·0	M
30		*6 Arietis β*			
Nov. 30	...	1 47 47·38	...	69 47 55·8	M
Dec. 14	...	47 47·50	...	47 57·8	M

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31 *χ Eridani.*									
Dec. 11	4·0	1	51	8·12	...	142	13	36·5	M
12	4·0		51	8·12	...		13	37·0	M
13	4·0		51	7·98	...		13	37·6	M
15	4·1		51	7·92	...		13	37·7	M
32 *α Hydri.*									
Dec. 16	3·0	1	54	51·90	...	152	10	26·9	M
19	3·1		54	51·84	...		10	29·5	M
29	3·0		54	51·70	...		10	26·1	R
33 57 *Andromedæ γ—1st.*									
Dec. 20	3·3	1	56	17·55	...	48	15	59·2	M
34 57 *Andromedæ γ—2nd.*									
Dec. 21	7·6	1	56	18·46	...	48	15	54·0	M
22	7·7		56	18·33	...		15	54·5	M
35 13 *Arietis α*									
Nov. 30	...	2	0	11·12	...	67	7	30·4	M
Dec. 12	...		0	11·14	...		7	31·0	M
13	...		0	11·12	...		7	31·0	M
14	...		0	11·09	...		7	30·9	M
15	...		0	11·09	...		7	31·1	M
18	...		0	11·18	...		7	31·3	M
36 65 *Ceti ξ¹*									
Dec. 11	5·0	2	6	25·61	...	81	44	8·8	M
37 67 *Ceti.*									
Dec. 1	...	2	10	47·90	...	96	59	40·9	M
4	...		10	47·82	...		59	40·4	M
19	...		10	47·97	...		59	40·4	M
21	...		10	47·94	...		59	38·9	M
22	...		10	47·93	...		59	40·5	M
29	...		10	47·88	...		59	42·4	R
38 *φ Eridani.*									
Dec. 12	4·2	2	12	4·76	...	142	5	11·2	M
13	4·3		12	4·67	...		5	14·7	M
39 *S Persei, Var.* 4.									
Jan. 8	8·5	2	13	57·95	...	31	58	56·8	R
10	8·5		13	58·02	...		58	56·1	R
11	8·8		13	57·92	...		58	55·0	R
12	9·3		13	58·10	...		58	55·0	R
13	9·4		13	58·20	...		58	54·1	R
18	9·5		13	58·21	...		58	56·2	R
19	9·6		13	58·02	...		58	52·6	R
20	10·2		13	57·97	...		58	55·0	R
40 *Anon.*									
Jan. 7	8·3	2	14	22·92	...	31	43	59·8	R
14	8·5		14	23·09	...		43	0·5	R
15	8·8		14	22·82	...		43	59·0	R
Dec. 15	8·5		14	23·01	...		43	59·6	M
41 *δ Hydri.*									
Dec. 21	4·3	2	19	33·17	...	159	13	26·3	M
29	4·0		19	32·91	...		13	28·6	R
42 73 *Ceti ξ²*									
Dec. 1	...	2	21	34·05	...	82	5	48·5	M
7	...		21	33·96	...		5	48·1	M
14	...		21	33·98	...		5	49·2	M
18	...		21	33·85	5		5	49·8	M
20	...		21	33·96	...		5	48·5	M
22	...		21	34·07	...		5	48·3	M
43 82 *Ceti δ*									
Dec. 11	4·7	2	33	7·64	...	90	12	27·1	M
12	4·6		33	7·58	...		12	28·1	M
13	4·4		33	7·56	...		12	28·2	M
14	4·6		33	7·46	...		12	27·4	M
44 *ι Eridani.*									
Dec. 15	4·4	2	35	45·85	...	130	23	14·1	M
18	4·3		35	46·29	...		23	14·8	M
29	4·0		35	46·06	...		23	12·7	R

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Separate Results of Madras Meridian Circle Observations in 1876.

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
45		86 *Ceti γ*			
Jan. 4	...	2 36 52·60	...	87 17 16·5	R
8	...	36 52·59	...	17 17·8	R
20	...	36 52·61	...	17 16·1	R
Dec. 1	...	36 52·50	...	17 16·6	M
4	...	36 52·62	...	17 16·4	M
5	...	36 52·56	...	17 16·0	M
6	...	36 52·54	...	17 16·7	M
7	...	36 52·68	...	17 16·9	M
8	...	36 52·52	...	17 15·8	M
16	...	36 52·60	...	17 16·4	M
46		89 *Ceti π*			
Dec. 20	4·6	2 38 13·36	...	104 23 3·4	M
22	4·4	38 13·16	...	23 4·7	M
47		41 *Arietis.*			
Dec. 11	3·0	2 42 41·24	...	68 15 2·8	M
19	...	42 41·24	...	15 4·3	M
48		3 *Eridani η*			
Dec. 13	3·9	2 50 22·08	...	99 23 33·6	M
16	3·9	50 22·27	...	23 33·1	M
21	4·0	50 21·98	.	23 32·1	M
49		*θ Eridani—1st.*			
Dec. 15	3·7	2 53 33·37	...	130 48 9·9	M
18	3·5	53 33·44	...	48 10·8	M
29	3·5	53 33·56	...	48 9·3	R
50		*θ Eridani—2nd.*			
Dec. 19	5·9	2 53 34·45	...	130 48 9·4	M
20	...	53 34·34	...	48 7·6	M
22	5·9	53 34·20	...	48 8·6	M
51		92 *Ceti α, Menkar.*			
Jan. 4	...	2 55 47·88	...	86 23 50·9	R
5	...	55 47·93	...	23 51·7	R
11	...	55 47·91	...	23 51·6	R
20	...	55 47·83	...	23 50·7	R
Dec. 4	...	55 47·88	...	23 52·1	M
5	...	55 47·91	...	23 50·9	M
6	...	55 47·94	...	23 52·3	M
8	...	55 47·87	...	23 50·8	M
52		11 *Eridani τ³*			
Dec. 11	4·7	2 56 55·37	...	114 6 43·0	M
12	4·5	56 55·45	...	6 42·7	M
14	4·7	56 55·28	...	6 43·6	M
53		*R. P. L.* 33.			
Jan. 8	...	3 3 16·79	3	5 32 2·0	R
		R. P. L. 33—*s.p.*			
Apl. 29	...	3 3 16·77	3	5 32 0·9	R
May 1	...	3 16·41	3	32 3·3	R
12	...	3 16·67	3	32 3·9	R
54		57 *Arietis δ*			
Jan. 5	...	3 4 32·40	...	70 44 37·3	R
7	...	4 32·44	...	44 37·4	R
10	...	4 32·35	...	44 38·4	R
19	...	4 32·43	...	44 38·5	R
Dec. 6	...	4 32·38	...	44 39·5	M
7	...	4 32·36	...	44 38·9	M
8	...	4 32·48	...	44 40·3	M
16	...	4 32·45	...	44 35·7	M
19	...	4 32·24	...	44 37·3	M
55		12 *Eridani.*			
Dec. 11	...	3 6 48·28	...	119 28 37·8	M
12	3·7	6 48·35	...	28 37·3	M
13	3·8	6 48·11	...	28 37·3	M
14	3·9	6 48·09	...	28 38·3	M

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56		13 *Eridani* ζ			
Dec. 21	4·3	3 9 48·58	...	99 16 58·0	M
22	4·5	9 48·51	...	16 58·7	M
29	4·0	9 48·46	...	16 58·5	R
57		16 *Eridani* τ^4			
Dec. 29	3·3	3 13 59·84	...	112 12 38·7	R
58		*R. P. L.* 34.			
Jan. 4	...	3 26 3·29	3	3 44 53·6	R
15	...	26 4·11	3	44 54·9	R
Dec. 4	...	26 3·95	3	44 55·3	M
6	...	26 3·77	3	44 54·3	M
12	...	26 3·99	3	44 54·8	M
59		18 *Eridani* ε			
Dec. 21	4·0	3 27 5·32	...	99 52 45·0	M
60		19 *Eridani* τ^5			
Dec. 29	3·9	3 28 18·61	...	112 2 59·9	R
61		23 *Eridani* δ			
Dec. 29	3·5	3 37 18·47	...	100 11 4·4	R
62		25 *Tauri* η, *Alcyone.*			
Jan. 5	...	3 40 6·88	...	66 16 46·8	R
6	...	40 6·90	...	16 47·0	R
12	...	40 6·93	...	16 48·5	R
13	...	40 7·03	...	16 48·1	R
18	...	40 6·84	...	16 49·9	R
Dec. 5	...	40 6·87	...	16 48·5	M
11	...	40 6·99	...	16 48·3	M
19	...	40 7·01	...	16 49·2	M
63		v^2 *Eridani.*			
Dec. 18	4·2	3 44 48·92	...	126 34 37·2	M
29	4·0	44 48·74	...	34 36·5	R
64		34 *Eridani* γ^1			
Jan. 4	...	3 52 14·59	...	103 51 45·2	R
6	...	52 14·57	...	51 45·5	R
10	...	52 14·68	...	51 47·1	R
12	...	52 14·56	...	51 46·8	R
14	...	52 14·66	...	51 45·8	R
15	...	52 14·63	...	51 47·2	R
19	...	52 14·63	...	51 45·9	R
22	...	52 14·63	...	51 46·5	R
31	...	52 14·57	...	51 43·5	R
Dec. 13	...	52 14·46	...	51 46·3	M
20	...	52 14·58	...	51 44·7	M
65		*R. P. L.* 35.			
Jan. 13	...	3 58 15·71	3	4 46 29·5	R
28	...	58 15·56	3	46 29·4	R
Dec. 29	...	58 15·19	3	46 31·4	R
		R. P. L. 35—*s.p.*			
May 17	...	3 58 14·91	3	4 46 31·8	R
20	...	58 14·79	3	46 30·6	R
22	...	58 14·33	3	46 32·7	R
25	...	58 14·87	3	46 31·2	R
26	...	58 14·62	3	46 29·5	R
June 14	...	58 16·12	3	46 32·2	M
66		*Lalande* 7655.			
Jan. 4	8·0	4 1 7·69	...	70 35 42·3	R
5	8·2	1 7·77	...	35 42·4	R
67		38 *Eridani* o^1			
Jan. 7	...	4 5 48·72	...	97 9 44·8	R
11	...	5 48·67	...	9 44·8	R
13	...	5 48·62	...	9 45·0	R
17	...	5 48·87	...	9 46·4	R
Dec. 29	...	5 48·72	...	9 45·2	R
68		γ *Doradus.*			
Dec. 29	4·0	4 12 46·58	...	141 47 59·5	R

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Number and Date.	Magnitude.	Mean Right Ascension 1876. h.	m.	s.	No. of Wires.	Mean Polar Distance 1876. °	′	″	Observer.
69				*41 Eridani v^4*					
Dec. 19	4·0	4	13	12·13	...	124	6	8·5	M
70				*T Tauri, Var. 6.*					
Jan. 5	10·0	4	14	45·53	...	70	45	42·8	B
6	10·0		14	45·53	...		45	41·9	B
7	10·0		14	45·62	...		45	40·1	B
8	10·0		14	45·65	...		45	42·0	B
10	10·0		14	45·61	...		45	41·6	B
11	10·0		14	45·53	...		45	41·0	B
71				*43 Eridani v^5*					
Dec. 29	4·0	4	19	22·45	5	124	18	20·9	B
72				*74 Tauri ε*					
Jan. 6	...	4	21	22·64	...	71	5	46·4	B
8	...		21	22·52	...		5	48·7	B
17	...		21	22·52	...		5	47·2	B
20	...		21	22·61	...		5	46·8	B
Dec. 9	...		21	22·73	...		5	47·6	M
12	...		21	22·58	...		5	48·4	M
15	...		21	22·54	...		5	49·6	M
73				*87 Tauri α, Aldebaran.*					
Jan. 7	...	4	28	48·36	...	73	44	31·2	B
17	...		28	48·31	...		44	32·1	B
22	...		28	48·46	...		44	32·6	B
Dec. 9	...		28	48·36	...		44	32·4	M
11	...		28	48·32	...		44	32·2	M
74				*α Doradus.*					
Dec. 20	8·7	4	31	18·93	...	145	18	8·4	M
21	3·8		31	19·10	...		18	6·0	M
75				*3 Aurigæ ι*					
Jan. 8	...	4	48	55·19	...	57	1	58·0	B
12	...		48	55·21	...		1	57·4	B
14	...		48	55·19	...		1	57·0	B
Jan. 18	...	4	48	55·12	...	57	1	57·6	B
19	...		48	55·13	...		1	58·5	B
28	...		48	55·21	...		1	56·0	B
Feb. 2	...		48	55·19	...		1	56·1	M
7	...		48	55·33	...		1	56·5	M
76				*Anon.*					
Nov. 27	8·7	4	50	49·16	...	71	8	11·5	M
30	8·7		50	49·22	...		8	9·1	M
Dec. 1	8·8		50	49·07	...		8	11·3	M
4	8·7		50	49·28	...		8	11·3	M
6	8·6		50	49·41	...		8	11·1	M
77				*Anon.*					
Dec. 7	9·0	4	52	26·65	...	71	22	44·6	M
8	9·2		52	26·84	...		22	45·1	M
9	9·1		52	26·95	...		22	45·2	M
12	9·1		52	26·88	...		22	45·7	M
13	9·2		52	26·75	...		22	44·1	M
78				*2 Leporis ε*					
Jan. 10	...	5	0	12·66	...	112	32	22·1	B
11	...		0	12·71	...		32	21·2	B
15	...		0	12·75	...		32	21·8	B
28	...		0	12·63	...		32	20·2	B
Feb. 2	...		0	12·62	...		32	20·1	M
Dec. 11	...		0	12·67	...		32	21·3	M
29	...		0	12·66	...		32	22·4	B
79				*μ Doradus, Var. 1.*					
Dec. 13	9·6	5	5	53·30	...	151	57	57·2	M
14	9·5		5	53·20	...		57	59·7	M
18	9·7		5	53·50	...		57	56·4	M
80				*19 Orionis β, Rigel.*					
Jan. 14	...	5	8	34·63	...	98	20	47·4	B
18	...		8	34·82	...		20	47·5	B

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Number and Date.	Magnitude.	Mean Right Ascension 1876. h.	m.	s.	No. of Wires.	Mean Polar Distance 1876. °	′	″	Observer.
81		*24 Orionis γ*							
Dec. 19	1·9	5	18	28·68	...	83	45	52·9	M
21	2·0		18	28·71	...		45	50·3	M
29	1·7		18	28·67	...		45	51·1	B
82		*R. P. L.* 40.							
Jan. 22	...	5	22	26·74	3	4	52	22·3	B
31	...		22	27·18	3		52	21·4	B
Feb. 2	...		22	27·74	3		52	22·2	M
7	...		22	28·05	3		52	21·6	M
14	...		22	27·82	3		52	20·4	M
83		*S Orionis, Var.* 4.							
Jan. 7	9·2	5	22	53·40	...	94	47	40·9	B
8	9·3		22	53·38	...		47	41·6	B
10	9·5		22	53·64	4		47	39·8	B
11	9·8		22	53·23	...		47	39·2	B
12	10·1		22	53·29	...		47	38·7	B
13	10·2		22	53·20	...		47	38·0	B
14	10·1		22	53·16	...		47	37·7	B
15	10·0		22	53·12	...		47	37·4	B
17	10·1		22	53·17	...		47	37·7	B
18	10·3		22	53·22	...		47	38·0	B
84		*9 Leporis β*							
Dec. 18	4·3	5	22	55·92	...	110	51	35·9	M
22	4·3		22	55·84	...		51	35·8	M
85		*34 Orionis δ, Var.* 1.							
Dec. 9	...	5	25	40·32	...	90	23	32·7	M
86		*ε Columbæ.*							
Dec. 20	4·3	5	26	48·50	...	125	33	44·8	M
87		*11 Leporis α*							
Jan. 28	...	5	27	15·69	...	107	54	45·0	B
Dec. 16	...		27	15·65	...		54	44·8	M
88		*44 Orionis ι—1st.*							
Dec. 29	...	5	29	21·76	...	95	59	36·1	B
89		*46 Orionis ε*							
Jan. 13	...	5	29	55·23	...	91	16	58·6	B
15	...		29	55·16	...		16	58·7	B
22	...		29	55·16	...		16	59·8	B
31	...		29	55·24	...		16	57·5	B
90		*48 Orionis σ—1st.*							
Dec. 19	4·4	5	32	31·10	...	92	40	25·6	M
91		*R. P. L.* 42—*s.p.*							
July 29	...	5	32	57·63	3	2	41	10·3	B
31	...		32	58·46	3		41	12·2	B
Aug. 1	...		32	58·54	3		41	12·5	B
3	...		32	57·66	3		41	10·5	B
4	...		32	58·46	3		41	12·1	B
26	...		32	58·04	7		41	10·5	B
92		*α Columbæ.*							
Feb. 2	...	5	35	9·71	...	124	8	28·9	M
7	...		35	9·47	...		8	28·5	M
14	...		35	9·72	...		8	28·6	M
93		*53 Orionis κ*							
Dec. 29	2·6	5	41	52·40	...	99	42	55·4	B
94		*β Columbæ.*							
Dec. 21	3·0	5	46	35·22	...	125	48	58·1	M
22	3·3		46	35·13	...		48	59·6	M
95		*58 Orionis α, Var. 2, Betelgeux.*							
Jan. 31	...	5	48	27·60	...	82	37	3·1	B
Feb. 7	...		48	27·53	...		37	3·5	M
14	...		48	27·50	...		37	3·1	M
21	...		48	27·50	...		37	3·0	M

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96		34 *Aurigæ β*							
Dec. 29	1·8	5	50	25·63	...	46	4	4·2	R
97		*R. P. L.* 43—*s.p.*							
June 17	...	5	57	21·37	2	3	14	15·9	M
98		67 *Orionis ν*							
Feb. 14	...	6	0	29·49	...	75	13	6·0	M
21	...		0	29·59	...		13	6·3	M
99		*T Monocerotis, Var.* 3.							
Jan. 5	6·3	6	18	30·78	...	82	50	55·8	R
6	6·1		18	30·85	...		50	54·6	R
7	6·0		18	31·03	...		50	54·4	R
8	6·2		18	31·04	...		50	56·3	R
10	6·4		18	31·11	...		50	55·7	R
11	6·8		18	31·03	...		50	55·0	R
12	7·0		18	31·12	...		50	55·1	R
13	7·0		18	31·14	...		50	55·2	R
14	7·0		18	31·13	...		50	54·1	R
15	7·0		18	31·11	...		50	52·2	R
100		24 *Geminorum γ*							
Mar. 6	...	6	30	32·88	...	73	29	49·0	R
101		51 *Cephei (Hev.).*							
Feb. 21	...	6	41	46·00	3	2	45	58·4	M
28	...		41	46·10	3		45	58·5	M
102		23 *Canis Majoris γ*							
Feb. 21	..	6	58	8·90	...	105	27	5·4	M
103		66 *Geminorum α², Castor.*							
Feb. 28	...	7	26	41·14	...	57	50	30·3	M
Mar. 13	...		26	41·27	...		50	29·7	R
104		*R. P. L.* 45—*s.p.*							
Aug. 21	...	7	30	12·92	2	1	0	32·5	R
105		10 *Canis Minoris α, Procyon.*							
Feb. 28	...	7	32	48·43	...	84	27	29·4	M
Mar. 6	...		32	48·59	...		27	30·3	R
13	...		32	48·54	...		27	29·4	R
106		78 *Geminorum β, Pollux.*							
Feb. 28	...	7	37	43·84	...	61	40	34·3	M
Mar. 13	...		37	43·59	...		40	33·9	R
107		*R. P. L.* 49.							
Mar. 6	...	7	46	59·36	3	5	35	25·5	R
		R. P. L. 49—*s.p.*							
Sep. 18	...	7	46	58·38	3	5	35	26·4	R
108		6 *Cancri.*							
Mar. 6	...	7	55	54·01	...	61	51	34·8	R
20	...		55	53·98	...		51	33·6	R
109		15 *Argus ι*							
Mar. 20	...	8	2	15·74	...	113	56	50·9	R
27	...		2	15·77	...		56	52·1	R
110		*Anon.*							
Mar. 27	9·5	8	13	20·62	...	131	19	26·8	R
28	9·5		13	20·64	...		19	23·4	R
29	9·3		13	20·59	..		19	25·8	R
30	9·3		13	20·64	...		19	23·0	R
111		33 *Cancri η*							
Mar. 28	...	8	25	32·17	...	69	8	19·9	R
112		11 *Hydræ ε*							
Mar. 20	...	8	40	12·55	...	83	7	36·8	R
27	...		40	12·52	...		7	36·9	R
30	...		40	12·49	...		7	36·7	R

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113		*R. P. L.* 60.							
Mar. 13	...	8	49	6·91	3	5	19	34·0	R
27	...		49	7·99	3		19	34·6	R
		R. P. L. 60—*s.p.*							
Sep. 14	...	8	49	7·05	3	5	19	36·5	R
Oct. 19	...		49	8·07	3		19	33·4	M
21	...		49	7·75	3		19	33·3	M
23	...		49	7·76	3		19	36·0	M
30	...		49	7·80	3		19	35·5	M
31	...		49	7·98	3		19	34·0	M
114		83 *Cancri.*							
Mar. 27	...	9	12	3·48	...	71	46	10·5	R
29	...		12	3·42	...		46	12·2	R
31	...		12	3·52	...		46	12·2	R
115		30 *Hydræ α, Var.* 2.							
Mar. 28	...	9	21	29·55	...	98	7	18·7	R
29	...		21	29·47	...		7	18·6	R
31	...		21	29·61	...		7	18·4	R
116		*R. P. L.* 69.							
Mar. 30	...	9	36	41·77	3	2	49	58·7	R
		R. P. L. 69—*s.p.*							
Oct. 10	...	9	36	40·76	3	2	50	0·6	R
117		17 *Leonis ε*							
Mar. 28	...	9	38	48·64	...	65	39	20·6	R
31	...		38	48·57	...		39	20·9	R
Apl. 17	...		38	48·65	...		39	21·4	R
118		*R. P. L.* 70.							
Apl. 19	...	9	48	26·30	3	5	29	8·6	R

Number and Date.	Magnitude.	Mean Right Ascension 1876. h.	m.	s.	No. of Wires.	Mean Polar Distance 1876. °	′	″	Observer.
		R. P. L. 70—*s.p.*							
Sep. 6	...	9	48	25·50	3	5	29	8·8	R
29	...		48	26·07	3		29	11·2	R
Oct. 13	...		48	25·16	3		29	12·2	R
Nov. 2	...		48	26·27	3		29	10·9	M
3	...		48	26·74	3		29	10·7	M
119		29 *Leonis π*							
Apl. 17	...	9	53	39·49	...	81	21	41·5	R
120		32 *Leonis α, Regulus.*							
Mar. 29	...	10	1	45·87	...	77	25	38·4	R
30	...		1	46·04	...		25	38·3	R
121		*R. P. L.* 72.							
Mar. 28	...	10	11	18·61	3	5	7	11·4	R
29	...		11	18·97	3		7	11·5	R
Apl. 3	...		11	19·26	3		7	11·5	M
17	...		11	18·51	3		7	10·8	M
		R. P. L. 72—*s.p.*							
Sep. 25	...	10	11	19·22	3	5	7	12·2	R
122		41 *Leonis* γ^1							
Mar. 30	...	10	13	7·99	...	69	31	55·2	R
Apl. 19	...		13	7·98	...		31	54·5	R
123		47 *Leonis ρ*							
Apl. 20	...	10	26	16·86	...	80	3	18·7	R
124		53 *Leonis l.*							
Apl. 3	...	10	42	44·31	...	78	47	56·1	M
10	...		42	44·37	...		47	55·5	M
17	...		42	44·33	...		47	55·5	R
19	...		42	44·27	...		47	53·3	R
21	...		42	44·24	...		47	54·2	R

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Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
125		*63 Leonis χ*			
Apl. 19	...	10 58 37·21	...	81 59 37·2	B
20	...	58 37·21	...	59 37·2	B
126		*68 Leonis δ*			
Apl. 10	...	11 7 30·62	...	68 47 48·8	M
21	...	7 30·72	...	47 48·6	B
127		*12 Crateris δ*			
Apl. 3	...	11 13 8·53	...	104 6 27·0	M
20	...	13 8·51	...	6 26·9	B
22	...	13 8·47	...	6 27·9	B
24	...	13 8·58	...	6 26·9	B
128		*91 Leonis υ*			
Apl. 3	...	11 30 35·99	...	90 8 20·2	M
22	...	30 35·92	...	8 19·8	B
129		*Anon.*			
Mar. 27	8·4	11 33 41·45	...	144 18 33·9	B
28	8·5	33 41·48	...	18 34·5	B
29	8·4	33 41·42	...	18 33·1	B
30	8·5	33 41·39	...	18 33·6	B
130		*94 Leonis β, Deneb.*			
Apl. 21	...	11 42 44·04	...	74 44 5·9	B
22	...	42 44·07	...	44 6·1	B
24	...	42 43·99	...	44 4·3	B
131		*R. P. L.* 89.			
Apl. 21	...	11 58 29·56	3	3 43 32·4	B
		R. P. L. 89—*s.p.*			
Nov. 27	...	11 58 30·69	3	3 43 32·8	M
132		*2 Corvi ε*			
Apl. 24	...	12 3 44·94	...	111 55 46·6	B
28	...	3 44·93	...	55 47·3	B

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
133		*15 Virginis η*			
Apl. 10	...	12 13 33·71	...	89 58 37·4	M
27	...	13 33·71	...	58 36·9	B
134		*Anon.*			
Apl. 19	9·6	12 15 52·30	...	90 46 17·0	B
20	9·6	15 52·33	...	46 17·0	B
21	9·9	15 52·21	...	46 16·2	B
22	9·7	15 52·20	...	46 17·0	B
24	9·6	15 52·26	...	46 16·3	B
135		*9 Corvi β*			
May 3	...	12 27 52·41	...	112 42 37·4	B
136		*R. P. L.* 98.			
Apl. 24	...	12 48 6·90	3	5 54 27·0	B
137		*R. P. L.* 99.			
Apl. 28	...	12 48 16·54	3	5 54 45·9	B
138		*51 Virginis θ*			
Apl. 27	...	13 3 31·77	...	94 52 34·3	B
29	...	3 31·78	...	52 33·7	B
May 1	...	3 31·77	...	52 34·4	B
9	...	3 31·79	...	52 33·8	B
12	...	3 31·83	...	52 33·2	B
16	...	3 31·81	...	52 32·8	B
139		*67 Virginis α, Spica.*			
Apl. 29	...	13 18 39·71	...	100 30 47·1	B
140		*R. P. L.* 103.			
Apl. 27	...	13 19 42·70	3	4 35 52·1	B
May 3	...	19 42·85	3	35 52·2	B
16	...	19 42·55	3	35 51·3	B
		R. P. L. 103—*s.p.*			
Dec. 18	...	13 19 43·04	3	4 35 52·2	M

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141				*79 Virginis ζ*					
Apl. 28	...	13	28	22·55	...	89	57	38·5	B
May 1	...		28	22·56	...		57	39·1	B
9	...		28	22·55	...		57	39·1	B
13	...		28	22·55	...		57	38·0	B
142				*8 Bootis η*					
Apl. 28	...	13	48	46·90	...	70	58	47·0	B
May 3	...		48	46·79	...		58	45·7	B
9	...		48	46·87	...		58	46·0	B
12	...		48	46·86	...		58	45·8	B
16	...		48	46·85	...		58	44·5	B
143				*93 Virginis τ*					
Apl. 27	...	13	55	20·23	...	87	51	15·0	B
29	...		55	20·18	...		51	15·1	B
May 3	...		55	20·26	...		51	14·6	B
12	...		55	20·16	...		51	14·1	B
13	...		55	20·23	...		51	14·3	B
17	...		55	20·15	...		51	15·4	B
20	...		55	20·28	...		51	13·6	B
144				*R. P. L.* 108.					
Apl. 29	...	14	2	23·54	3	3	38	54·3	B
May 9	...		2	24·87	3		38	52·9	B
13	...		2	22·06	3		38	51·9	B
145				16 *Bootis α, Arcturus.*					
May 1	...	14	10	0·37	...	70	10	16·7	B
16	...		10	0·36	...		10	15·0	B
17	...		10	0·40	...		10	15·2	B
22	...		10	0·27	...		10	15·1	B
June 2	...		10	0·27	...		10	17·1	M
146				25 *Bootis ρ*					
June 2	...	14	26	29·23	...	59	5	0·2	M
5	...		26	29·00	...		4	59·1	M
147				*R Camelopardi, Var.* 1.					
Apl. 27	9·0	14	27	7·71	3	5	36	23·1	B
29	8·9		27	7·75	...		36	22·7	B
May 1	9·0		27	7·19	...		36	24·0	B
3	...		27	7·57	3		36	24·1	B
12	9·7		27	7·42	...		36	21·1	B
13	9·9		27	7·31	...		36	22·1	B
148				36 *Bootis ε, Mirac.*					
May 20	...	14	39	34·10	...	62	24	6·3	B
25	...		39	34·30	...		24	6·2	B
149				9 *Libræ α²*					
May 13	...	14	44	1·18	...	105	31	30·0	B
17	...		44	1·23	...		31	29·8	B
22	...		44	1·27	...		31	28·7	B
26	...		44	1·24	...		31	30·2	B
June 2	...		44	1·26	...		31	31·3	M
5	...		44	1·30	...		31	30·9	M
6	...		44	1·29	...		31	30·1	M
July 10	...		44	1·21	...		31	32·3	B
150				*W. B. E.* XIV. 896.					
Apl. 28	8·9	14	48	59·99	...	102	42	5·0	B
29	8·9		49	0·03	...		42	5·7	B
May 1	8·9		49	0·04	...		42	4·8	B
3	...		49	0·04	...		42	5·2	B
9	8·9		49	0·00	...		42	4·5	B
151				*Anon.*					
Apl. 27	9·4	14	55	48·07	2	104	0	58·8	B
28	9·2		55	48·21	...		0	59·2	B
29	9·2		55	48·21	...		0	59·1	B
May 1	9·4		55	48·18	...		0	59·7	B
9	9·5		55	48·47	...		0	57·3	B
152				43 *Bootis ψ*					
May 26	...	14	59	8·04	...	62	34	4·3	B
June 6	...		59	7·84	...		34	2·6	M

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Number and Date.	Magnitude.	Mean Right Ascension 1876. h.	m.	s.	No. of Wires.	Mean Polar Distance 1876. °	′	″	Observer.
153		*R. P. L.* 111.							
May 17	...	15	4	20·26	3	5	34	14·2	B
20	...		4	20·15	3		34	14·1	B
		R. P. L. 111—*s.p.*							
Jan. 4	...	15	4	21·69	3	5	34	12·4	B
13	...		4	21·10	3		34	12·7	B
Dec. 15	...		4	21·85	2		34	8·7	M
20	...		4	22·16	2		34	11·1	M
154		27 *Libræ* β							
May 20	...	15	10	20·20	...	98	55	24·5	B
22	...		10	20·19	...		55	23·8	B
25	...		10	20·12	...		55	25·1	B
June 8	...		10	20·04	...		55	26·5	M
155		*R. P. L.* 114.							
May 12	...	15	17	56·16	3	2	17	34·6	B
22	...		17	53·95	3		17	35·8	B
25	...		17	54·75	3		17	36·1	B
26	...		17	54·49	3		17	35·0	B
June 14	...		17	55·74	3		17	36·4	M
		R. P. L. 114—*s.p.*							
Jan. 8	...	15	17	56·42	3	2	17	37·8	B
156		5 *Coronæ Borealis* α, *Alpheta.*							
May 26	...	15	29	26·25	...	62	51	59·6	B
June 5	...		29	26·33	...		52	0·3	M
6	...		29	26·38	...		51	59·0	M
8	...		29	26·37	...		52	0·8	M
157		24 *Serpentis* α							
May 25	...	15	38	9·62	...	83	10	58·2	B
June 17	...		38	9·58	...		10	59·1	M
July 10	...		38	9·64	...		10	55·7	B
158		*R Serpentis, Var.* 2.							
May 13	8·0	15	44	58·61	...	74	29	18·7	B
16	8·1		44	58·61	...		29	17·9	B
17	8·1		44	58·56	...		29	18·1	B
20	8·4		44	58·46	...		29	18·4	B
22	8·8		44	58·48	...		29	18·3	B
159		*R. P. L.* 115—*s.p.*							
Jan. 15	...	15	46	36·27	3	4	46	5·5	B
28	...		46	34·36	3		46	4·3	B
Dec. 4	...		46	36·06	3		46	8·5	M
6	...		46	35·95	3		46	7·0	M
160		8 *Scorpii* β[1]							
June 27	...	15	58	13·70	...	109	27	51·5	M
161		*R. P. L.* 116—*s.p.*							
Jan. 22	...	16	2	13·98	3	4	20	42·5	B
31	...		2	14·35	3		20	42·1	B
Nov. 30	...		2	14·20	2		20	45·2	M
Dec. 13	...		2	15·33	3		20	41·9	M
162		1 *Ophiuchi* δ							
June 14	...	16	7	50·80	...	93	22	24·5	M
27	...		7	50·82	...		22	25·9	M
July 5	...		7	50·86	...		22	25·4	B
10	...		7	50·86	...		22	24·5	B
163		21 *Scorpii* α, *Antares.*							
June 17	...	16	21	48·45	...	116	9	18·2	M
27	...		21	48·41	...		9	17·7	M
July 5	...		21	48·37	...		9	18·2	B
164		40 *Herculis* ζ							
June 14	...	16	36	36·71	4	58	10	17·1	M
17	...		36	36·75	...		10	18·0	M
July 5	...		36	36·74	...		10	17·9	B
19	...		36	36·68	...		10	17·6	B
29	...		36	36·73	...		10	16·1	B
Aug. 1	...		36	36·68	...		10	15·3	B

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Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
165	*Anon.*				
May 25	7·0	16 42 29·86	...	138 53 53·7	R
26	7·0	42 29·81	...	53 53·8	R
June 6	7·5	42 29·92	...	53 56·6	M
166	27 *Ophiuchi κ*				
June 8	...	16 51 47·90	...	80 25 51·1	M
14	...	51 47·92	...	25 48·6	M
July 20	...	51 48·01	...	25 48·0	R
167	*T Serpentis, Var.* 4.				
July 29	10·5	16 54 40·83	...	110 19 47·5	R
31	10·5	54 40·91	...	19 46·9	R
Aug. 1	10·5	54 41·11	...	19 45·2	R
2	10·5	54 41·08	...	19 45·4	R
3	10·5	54 41·11	...	19 43·6	R
4	10·6	54 40·88	...	19 44·3	R
7	10·6	54 40·85	...	19 46·1	R
12	10·8	54 40·89	...	19 45·6	R
14	10·8	54 40·84	...	19 43·5	R
15	10·8	54 40·71	...	19 46·4	R
168	22 *Ursæ Minoris ε—s.p.*				
Feb. 7	...	16 58 45·11	3	7 45 43·2	M
169	*R Ophiuchi, Var.* 2.				
June 27	8·6	17 0 38·81	...	105 55 31·9	M
July 19	8·3	0 38·87	...	55 32·6	R
20	8·6	0 38·89	5	55 32·3	R
22	...	0 38·75	...	55 31·2	R
170	*Anon.*				
June 14	8·7	17 7 4·60	...	137 25 57·0	M
17	8·8	7 4·50	...	25 57·6	M
171	64 *Herculis α, Var.* 1.				
July 19	...	17 8 59·63	...	75 27 59·7	R
22	...	8 59·67	...	27 58·9	R
29	...	8 59·51	...	27 58·7	R
31	...	8 59·67	...	27 59·6	R
Aug. 1	...	17 8 59·62	...	75 27 58·4	R
3	...	8 59·67	...	27 58·8	R
7	...	8 59·66	...	27 57·7	R
12	...	8 59·62	...	27 58·3	R
15	...	8 59·75	...	27 59·8	R
172	42 *Ophiuchi θ*				
July 22	...	17 14 23·69	...	114 52 24·5	R
31	...	14 23·72	...	52 25·9	R
Aug. 2	...	14 23·83	...	52 23·8	R
4	...	14 23·62	...	52 25·1	R
173	55 *Ophiuchi α*				
June 14	...	17 29 10·74	...	77 20 52·0	M
July 19	...	29 10·74	...	20 52·9	R
20	...	29 10·72	...	20 52·6	R
22	...	29 10·68	...	20 52·5	R
Aug. 2	...	29 10·65	...	20 51·8	R
7	...	29 10·74	...	20 49·7	R
10	...	29 10·69	...	20 52·3	R
12	...	29 10·70	...	20 51·3	R
174	86 *Herculis μ*				
July 20	...	17 41 36·31	...	62 12 19·0	R
31	...	41 36·29	...	12 20·2	R
Aug. 2	...	41 36·25	...	12 18·8	R
3	...	41 36·27	...	12 18·9	R
7	...	41 36·27	...	12 16·4	R
10	...	41 36·35	...	12 19·3	R
14	...	41 36·33	...	12 19·3	R
175	13 *Sagittarii μ*[1]				
July 29	...	18 6 20·91	...	111 5 19·6	R
Aug. 1	...	6 20·85	...	5 20·5	R
14	...	6 20·69	...	5 20·1	R
176	*Anon.*				
Aug. 3	8·2	18 6 52·12	...	121 25 2·4	R
4	8·5	6 51·89	...	25 0·6	R
7	8·5	6 52·01	...	25 0·7	R
10	...	6 51·98	...	25 0·7	R

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Number and Date.	Magnitude.	Mean Right Ascension 1876. h.	m.	s.	No. of Wires.	Mean Polar Distance 1876. °	′	″	Observer.
177			*Anon.*						
June 17	9·4	18	8	52·49	...	122	24	33·5	M
July 19	9·4		8	52·70	...		24	31·1	R
22	...		8	52·62	...		24	31·9	R
Aug. 12	9·9		8	52·68	...		24	31·8	R
178			23 *Ursæ Minoris* δ						
Aug. 1	...	18	12	17·95	3	3	23	29·9	R
26	...		12	18·76	3		23	31·5	R
			23 *Ursæ Minoris* δ—*s.p.*						
Feb. 2	...	18	12	20·68	3	3	23	31·6	M
14	...		12	20·69	3		23	32·2	M
21	...		12	20·38	3		23	30·9	M
Dec. 29	...		12	19·13	3		23	31·5	R
179			24 *Ursæ Minoris.*						
July 29	...	18	16	39·82	2	3	0	47·7	R
Aug. 3	...		16	39·99	3		0	47·8	R
4	...		16	40·81	3		0	45·3	R
180			*Anon.*						
July 31	10·5	18	30	10·78	...	136	55	4·7	R
Aug. 1	10·5		30	10·62	...		55	2·6	R
181			3 *Lyræ* α, *Vega.*						
Aug. 12	...	18	32	44·35	...	51	19	49·3	R
15	...		32	44·29	...		19	50·5	R
182			10 *Lyræ* β, *Var.* 1.						
Aug. 18	...	18	45	30·09	...	56	46	48·4	R
21	...		45	30·12	...		46	48·3	M
183			*R. P. L.* 131.						
June 17	...	18	55	12·10	2	3	27	0·4	M
July 31	...		55	10·64	3		26	59·3	R
Aug. 21	...		55	12·03	3		27	0·5	M
			R. P. L. 131—*s.p.*						
Feb. 28	...	18	55	12·11	3	3	27	1·9	M
Mar. 6	...		55	11·84	3		27	1·9	R
184			17 *Aquilæ* ζ						
Aug. 3	...	18	59	42·58	...	76	19	8·9	R
4	...		59	42·59	...		19	8·6	R
10	...		59	42·55	...		19	9·7	R
15	..		59	42·49	...		19	10·2	R
16	...		59	42·56	...		19	8·8	R
18	...		59	42·53	...		19	10·2	R
26	...		59	42·55	...		19	11·1	R
185			25 *Aquilæ* ω						
Aug. 14	...	19	11	59·81	...	78	37	34·5	R
16	...		11	59·74	...		37	35·1	R
21	...		11	59·67	...		37	34·9	M
186			30 *Aquilæ* δ						
Aug. 16	...	19	19	14·64	...	87	7	49·5	R
26	...		19	14·64	...		7	51·1	R
Sep. 6	...		19	14·67	...		7	50·0	R
187			52 *Sagittarii* h²						
Aug. 4	...	19	29	9·53	...	115	9	16·6	R
18	...		29	9·54	...		9	18·2	R
26	...		29	9·54	...		9	19·6	R
Sep. 14	...		29	9·41	...		9	17·7	R
188			50 *Aquilæ* γ						
Sep. 14	...	19	40	21·91	...	79	41	14·3	R
20	...		40	21·82	...		41	11·6	R
189			11 *Vulpeculæ, Var.* 1.						
Aug. 4	10·5	19	42	35·43	...	62	59	11·9	R
7	10·5		42	35·44	...		59	8·9	R
10	...		42	35·51	4		59	9·4	R
12	10·6		42	35·42	...		59	8·7	R
15	...		42	35·58	3		59	11·0	R

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Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Aug. 16	10·7	19 42 35·47	...	62 59 8·5	R
18	10·9	42 35·47	...	59 12·7	R
Sep. 6	10·8	42 35·68	...	59 10·3	R
7	10·9	42 35·54	...	59 11·4	R

190 53 *Aquilæ α, Altair.*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Sep. 23	...	19 44 44·01	...	81 27 26·4	R

191 60 *Aquilæ β*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Sep. 6	...	19 49 13·41	...	83 54 3·7	R
20	...	49 13·38	...	54 2·8	R

192 6 *Capricorni α²*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Sep. 6	...	20 11 10·25	...	102 55 38·1	R
7	...	11 10·37	...	55 40·2	R
18	...	11 10·42	...	55 40·4	R
22	...	11 10·37	...	55 40·2	R
26	...	11 10·44	...	55 39·0	R

193 *X Capricorni, Var.* 7.

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Sep. 18	10·4	20 15 38·93	...	106 24 16·2	R
19	10·5	15 38·92	...	24 16·1	R
20	10·8	15 38·93	...	24 15·4	R
22	10·6	15 38·90	...	24 17·4	R
23	10·6	15 39·01	...	24 17·5	R
25	10·8	15 39·10	...	24 16·8	R
26	10·8	15 39·14	...	24 19·0	R
29.	10·8	15 39·16	...	24 18·8	R

194 *U Cygni, Var.* 6.

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Oct. 18	8·0	20 15 46·20	...	42 29 46·9	M
19	8·1	15 46·01	...	29 46·8	M
21	8·3	15 45·98	...	29 45·9	M
23	8·5	15 45·84	...	29 47·7	M
24	8·5	15 45·91	...	29 46·6	M

195 *Anon.*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Aug. 1	10·5	20 16 41·05	...	106 30 48·1	R

196 11 *Capricorni ρ*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Aug. 21	...	20 21 47·08	...	108 13 20·5	M
Sep. 7	...	21 47·09	...	13 19·3	R
14	...	21 47·12	...	13 17·4	R
19	...	21 47·11	...	13 19·2	R
22	...	21 47·12	...	13 19·4	R

197 *R. P. L.* 143.

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Sep. 6	...	20 27 59·69	3	5 16 3·2	R
14	...	27 59·92	3	16 1·5	R
18	...	28 0·28	3	16 3·6	R
Oct. 19	...	28 0·94	3	16 2·2	M
21	...	28 0·61	3	16 0·9	M
23	...	28 0·55	3	16 1·5	M
30	...	28 0·76	3	16 1·4	M

R. P. L. 143—*s.p.*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Mar. 13	...	20 27 59·90	3	5 16 4·4	R
20	...	28 0·04	3	16 4·7	R

198 50 *Cygni α, Deneb.*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Sep. 23	...	20 37 12·26	...	45 9 43·0	R
Oct. 18	...	37 12·36	...	9 42·8	M
24	...	37 12·49	...	9 43·3	M

199 32 *Vulpeculæ.*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Sep. 7	...	20 49 16·47	...	62 24 47·7	R
18	...	49 16·46	...	24 48·3	R
22	...	49 16·44	...	24 47·3	R
25	...	49 16·50	...	24 46·9	R
Oct. 4	...	49 16·49	...	24 48·1	R
7	...	49 16·51	...	24 47·4	R
18	...	49 16·58	...	24 47·2	M
24	...	49 16·49	...	24 47·9	M

200 64 *Cygni ζ*

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
Sep. 20	...	21 7 39·47	...	60 16 51·2	R
25	...	7 39·46	...	16 50·6	R
29	...	7 39·56	...	16 51·2	R

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Number and Date.	Magnitude.	Mean Right Ascension 1876. h.	m.	s.	No. of Wires.	Mean Polar Distance 1876. °	′	″	Observer.
Oct. 19	...	21	7	39·61	...	60	16	52·0	M
21	...		7	39·63	...		16	50·5	M
23	...		7	39·75	...		16	52·4	M
30	...		7	39·60	...		16	51·5	M
31	...		7	39·56	...		16	51·8	M

201 *Anon.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Oct. 5	10·5	21	8	57·16	...	110	47	6·0	R
7	10·7		8	56·99	...		47	6·2	R
10	10·7		8	57·15	...		47	8·6	R
13	10·6		8	57·20	...		47	8·4	R

202 22 *Aquarii β*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Sep. 18	...	21	25	1·70	...	96	6	56·5	R
19	...		25	1·74	...		6	55·7	R
25	...		25	1·79	...		6	55·6	R
Oct. 4	...		25	1·72	...		6	57·1	R
5	...		25	1·76	...		6	56·3	R
10	...		25	1·73	...		6	55·9	R
13	...		25	1·70	...		6	55·5	R
18	...		25	1·54	...		6	57·5	M
19	...		25	1·77	...		6	56·7	M
21	...		25	1·73	...		6	56·1	M
23	...		25	1·68	...		6	57·7	M
24	...		25	1·53	...		6	56·8	M
30	...		25	1·73	...		6	57·2	M
31	...		25	1·76	...		6	57·4	M
Nov. 2	...		25	1·78	...		6	57·3	M

203 8 *Pegasi ε*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Sep. 19	...	21	38	5·71	...	80	41	33·6	R
23	...		38	5·73	...		41	33·0	R
26	...		38	5·71	...		41	32·2	R
29	...		38	5·76	...		41	32·0	R
Oct. 4	...		38	5·71	...		41	33·3	R
19	...		38	5·63	...		41	35·0	M
21	...		38	5·64	...		41	32·5	M
23	...		38	5·57	...		41	34·0	M
30	...		38	5·69	...		41	33·7	M
31	...		38	5 70	...		41	34·3	M
Nov. 2	...		38	5·70	...		41	34·7	M
3	...		38	5·68	...		41	33·3	M

204 16 *Pegasi.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Sep. 26	...	21	47	25·21	...	64	39	28·0	R
Oct. 5	...		47	25·21	...		39	28·0	R
10	...		47	25·14	...		39	28·8	R

205 34 *Aquarii α*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Sep. 29	...	21	59	24·75	...	90	55	17·4	R
Oct. 2	...		59	24·82	...		55	16·0	R
5	...		59	24·82	...		55	18·1	R
7	...		59	24·77	...		55	16·8	R
13	...		59	24·85	...		55	17·2	R
Nov. 3	...		59	24·82	...		55	18·0	M

206 43 *Aquarii θ*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Oct. 2	...	22	10	17·29	...	98	23	57·3	R
10	...		10	17·43	...		23	58·6	R
Nov. 2	...		10	17·34	...		23	59·2	M
3	...		10	17·36	...		23	59·1	M

207 *R. P. L.* 150.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Sep. 29	...	22	22	53·55	3	4	31	2·4	R
Oct. 13	...		22	53·19	3		31	2·9	R
31	...		22	53·98	3		31	2·2	M
Nov. 2	...		22	53·69	3		31	0·9	M
3	...		22	54·16	3		31	1·2	M

R. P. L. 150—*s.p.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Mar. 27	...	22	22	54·02	3	4	31	4·0	R
28	...		22	53·26	3		31	3·6	R
Apl. 3	...		22	54·01	3		31	4·9	M
17	...		22	53·11	3		31	4·1	R

208 *R. P. L.* 151.

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Sep. 25	...	22	23	19·99	3	4	24	9·1	R
Oct. 10	...		23	18·29	3		24	11·5	R

R. P. L. 151—*s.p.*

Number and Date.	Magnitude.	h.	m.	s.	No. of Wires.	°	′	″	Observer.
Mar. 29	...	22	23	19·78	3	4	24	9·5	R
30	...		23	19·20	3		24	9·2	R
Apl. 19	...		23	19·86	3		24	12·3	R

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Separate Results of Madras Meridian Circle Observations in 1876.

Number and Date.	Magnitude.	Mean Right Ascension 1876. h. m. s.	No. of Wires.	Mean Polar Distance 1876. ° ′ ″	Observer.
209		*62 Aquarii η*			
Oct 2	...	22 28 58·95	...	90 45 21·1	R
7	...	28 59·01	...	45 22·6	R
210		*Anon.*			
Sep. 26	7·2	22 46 27·69	...	130 4 43·1	R
Oct. 2	7·5	46 27·78	...	4 43·6	R
211		*Anon.*			
Sep. 23	9·5	22 48 9·19	...	128 54 5·3	R
25	9·6	48 9·13	...	54 3·1	R
29	9·5	48 9·30	...	54 3·6	R
Oct. 4	9·5	48 9·34	...	54 4·1	R
212		*54 Pegasi α, Markab.*			
Oct. 13	...	22 58 35·04	...	75 27 41·3	R
213		*6 Piscium γ*			
Nov. 1	...	23 10 44·20	...	87 23 41·9	M
214		*8 Piscium κ*			
Nov. 1	...	23 20 34·46	..	89 25 24·6	M
215		*R. P. L. 158—s.p.*			
Apl. 21	...	23 27 49·07	3	3 22 36·8	R
24	...	27 50·28	3	22 38·7	R
216		*17 Piscium ι*			
Nov. 1	...	23 33 34·34	...	85 2 45·4	M
27	...	33 34·28	...	2 44·8	M
217		*δ Sculptoris.*			
Nov. 27	...	23 42 27·80	...	118 48 58·2	M
218		*2 Ceti.*			
Dec. 13	4·0	23 57 23·04	...	108 1 35·6	M
14	4·2	57 23·07	...	1 35·8	M
15	4·3	57 23·10	...	1 35·1	M

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MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1876

REDUCED TO JANUARY 1 OF THAT YEAR

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Mean Positions of Stars for 1876, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
1	11 Cassiopeiæ β	2·4	...	0	2	34·26	31	32	3·8	2	0·95
2	ε Phœnicis	4·4	2	0	3	6·81	136	25	54·6	2	0·96
3	8 Ceti ι	3·6	...	0	13	6·58	99	30	42·3	4	0·95
4	O. A. N. 282	8·1	5	0	16	42·31	34	53	8·0	5	0·83
5	κ Phœnicis	4·1	3	0	20	5·87	134	22	7·1	3	0·95
6	α Phœnicis	2·1	3	0	20	9·13	132	58	47·6	3	0·96
7	12 Ceti	6·2	...	0	23	42·65	94	38	34·3	1	0·90
8	β Tucanæ—1st	4·4	2	0	25	51·39	153	38	33·1	2	0·95
9	β Tucanæ—2nd	4·7	3	0	25	52·01	153	38	57·4	3	0·97
10	31 Andromedæ δ... ...	3·4	...	0	32	42·05	59	49	5·7	3	0·95
11	16 Ceti β	2·1	...	0	37	21·80	108	40	3·2	1	0·87
12	24 Cassiopeiæ η—1st ...	4·4	4	0	41	36·85	32	50	34·4	4	0·95
13	24 Cassiopeiæ η—2nd ...	8·3	4	0	41	37·08	32	50	38·3	4	0·96
14	27 Cassiopeiæ γ	2·3	...	0	49	14·40	29	57	18·1	3	0·96
15	2 Ursæ Minoris	4·5	...	0	52	7·35	4	24	34·7	7	0·69
16	B. P. L. 14	6·2	...	0	55	35·17	3	31	0·4	2	0·34
17	71 Piscium ε	4·5	...	0	56	30·55	82	46	41·3	1	0·87
18	β Phœnicis	3·7	4	1	0	32·87	137	23	1·2	4	0·95
19	31 Ceti η	3·6	...	1	2	21·05	100	50	24·7	2	0·96
20	43 Andromedæ β (*Mirach*)	2·2	...	1	2	47·50	55	2	15·1	2	0·97
21	B. P. L. 18	7·9	...	1	11	52·02	2	5	5·5	1	0·36
22	37 Cassiopeiæ δ	2·8	...	1	17	43·28	30	24	37·5	3	0·95
23	45 Ceti θ [1]...	3·8	...	1	17	49·43	98	49	25·1	3	0·97
24	γ Phœnicis	3·4	3	1	22	58·64	133	57	15·9	3	0·97
25	δ Phœnicis	4·3	3	1	26	5·04	139	43	4·1	3	0·96
26	106 Piscium ν	4·7	...	1	34	58·73	85	8	25·1	7	0·94
27	52 Ceti τ	3·6	...	1	38	18·16	106	35	27·7	4	0·97
28	55 Ceti ζ	3·9	...	1	45	20·45	100	56	55·1	3	0·97
29	45 Cassiopeiæ ε	3·6	...	1	45	29·58	26	56	30·0	2	0·96
30	6 Arietis β	2·8	...	1	47	47·44	69	47	56·8	2	0·98
31	χ Eridani	4·0	4	1	51	8·04	142	13	37·2	4	0·95
32	α Hydri	3·0	3	1	54	51·81	152	10	27·5	3	0·97
33	57 Andromedæ γ—1st ...	2·2	...	1	56	17·55	48	15	59·2	1	0·97
34	57 Andromedæ γ—2nd ...	5·0	...	1	56	18·40	48	15	54·3	2	0·97
35	13 Arietis α	2·0	...	2	0	11·12	67	7	31·0	6	0·95

15.—12 B. P. L. 16.—Groombridge 195. 21.—Carrington 183.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
1	11 Cassiopeiæ β ...	+ 3·0966	+ 0·0514	+ 0·066	− 20·053	+ 0·014	+ 0·19	3216
2	ε Phœnicis	+ 3·0531	− 0·0289	+ 0·008	− 20·053	+ 0·015	+ 0·19	Stone
3	8 Ceti ι	+ 3·0595	− 0·0023	− 0·008	− 20·022	+ 0·034	+ 0·03	14
4	O. A. N. 282... ...	+ 3·2120	+ 0·0492	...	− 20·000	+ 0·042	...	...
5	κ Phœnicis	+ 2·9577	− 0·0239	...	− 19·977	+ 0·047	...	...
6	α Phœnicis	+ 2·9628	− 0·0227	+ 0·022	− 19·977	+ 0·047	+ 0·04	Stone
7	12 Ceti	+ 3·0610	+ 0·0008	− 0·000	− 19·947	+ 0·055	+ 0·01	88
8	β Tucanæ—1st ...	+ 2·7686	− 0·0446	+ 0·008	− 19·927	+ 0·054	+ 0·03	Stone
9	β Tucanæ—2nd ...	+ 2·7682	− 0·0446	+ 0·008	− 19·927	+ 0·054	+ 0·03	Stone
10	31 Andromedæ δ ...	+ 3·1828	+ 0·0221	+ 0·010	− 19·850	+ 0·075	+ 0·08	57
11	16 Ceti β	+ 2·9989	− 0·0055	+ 0·015	− 19·788	+ 0·080	− 0·03	70
12	24 Cassiop. η—1st ...	+ 3·4464	+ 0·0606	+ 0·135	− 19·724	+ 0·099	+ 0·48	79
13	24 Cassiop. η—2nd ...							
14	27 Cassiopeiæ γ ...	+ 3·5668	+ 0·0714	+ 0·001	− 19·594	+ 0·119	+ 0·02	99
15	2 Ursæ Minoris ...	+ 6·9818	+ 1·3408	+ 0·068	− 19·538	+ 0·286	+ 0·01	92
16	R. P. L. 14	+ 8·2973	+ 2·0793	+ 0·054	− 19·468	+ 0·290	+ 0·02	95
17	71 Piscium ε... ...	+ 3·1136	+ 0·0087	− 0·007	− 19·448	+ 0·119	− 0·04	113
18	β Phœnicis	+ 2·6928	− 0·0183	− 0·006	− 19·359	+ 0·111	+ 0·04	Stone
19	31 Ceti η	+ 3·0034	0·0000	+ 0·013	− 19·317	+ 0·126	+ 0·12	141
20	43 Andromedæ β ...	+ 3·3252	+ 0·0286	+ 0·014	− 19·307	+ 0·139	+ 0·08	140
21	R. P. L. 18	+ 14·4035	+ 6·5422	...	− 19·076	+ 0·651	...	...
22	37 Cassiopeiæ δ ...	+ 3·8300	+ 0·0773	+ 0·038	− 18·912	+ 0·194	+ 0·04	180
23	45 Ceti θ¹	+ 3·0031	+ 0·0018	− 0·007	− 18·909	+ 0·154	+ 0·20	184
24	γ Phœnicis	+ 2·6159	− 0·0125	− 0·004	− 18·754	+ 0·143	+ 0·24	Stone
25	δ Phœnicis	+ 2·4936	− 0·0139	+ 0·009	− 18·657	+ 0·141	− 0·14	Stone
26	106 Piscium ν ...	+ 3·1180	+ 0·0091	− 0·003	− 18·357	+ 0·191	− 0·01	228
27	52 Ceti τ	+ 2·9065	− 0·0004	− 0·122	− 18·238	+ 0·184	− 0·86	233
28	55 Ceti ζ	+ 2·9576	+ 0·0023	+ 0·000	− 17·973	+ 0·199	+ 0·03	247
29	45 Cassiopeiæ ε ...	+ 4·2412	+ 0·0993	+ 0·004	− 17·967	+ 0·283	+ 0·02	239
30	6 Arietis β	+ 3·2952	+ 0·0183	+ 0·005	− 17·877	+ 0·226	+ 0·10	252
31	χ Eridani	+ 2·2680	− 0·0087	+ 0·067	− 17·740	+ 0·162	− 0·25	Stone
32	α Hydri	+ 1·8522	− 0·0027	+ 0·034	− 17·588	+ 0·138	− 0·01	Stone
33	57 Androm. γ—1st ...	+ 3·6517	+ 0·0393	+ 0·002	− 17·525	+ 0·266	+ 0·05	276
34	57 Androm. γ—2nd...	+ 3·6518	+ 0·0393	+ 0·002	− 17·525	+ 0·266	+ 0·05	
35	13 Arietis α	+ 3·3547	+ 0·0203	+ 0·013	− 17·359	+ 0·252	+ 0·13	287

2—6—8—9—18—24—25—31—32.—Proper motions from *Stone's Cape Catalogue.*

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Mean Positions of Stars for 1876, *January* 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
36	65 Ceti ξ^1	4·4	...	2	6	25·61	81	44	8·8	1	0·94
37	67 Ceti	5·5	...	2	10	47·91	96	59	40·6	6	0·96
38	ϕ Eridani	4·3	2	2	12	4·72	142	5	18·0	2	0·95
39	S Persei, Var. 4	9·2	8	2	13	58·05	31	58	55·1	8	0·04
40	... ...	8·5	4	2	14	22·96	31	43	59·7	4	0·26
41	δ Hydri	5·4	...	2	19	33·04	159	13	27·5	2	0·98
42	73 Ceti ξ^2	4·4	...	2	21	33·98	82	5	48·7	6	0·95
43	82 Ceti δ	4·1	...	2	33	7·56	90	12	27·7	4	0·95
44	ι Eridani	4·2	3	2	35	46·07	130	23	13·9	3	0·97
45	86 Ceti γ	3·6	...	2	36	52·58	87	17	16·5	10	0·66
46	89 Ceti π	4·3	...	2	38	13·26	104	23	4·1	2	0·97
47	41 Arietis	3·8	...	2	42	41·24	63	15	3·6	2	0·95
48	3 Eridani η	4·0	...	2	50	22·09	99	23	32·9	3	0·96
49	θ Eridani—1st	3·6	3	2	53	33·46	130	48	10·0	3	0·97
50	θ Eridani—2nd	5·9	2	2	53	34·33	130	48	8·5	3	0·97
51	92 Ceti α (*Menkar*) ...	2·7	...	2	55	47·89	86	23	51·4	8	0·48
52	11 Eridani τ^3	4·1	...	2	56	55·37	114	6	43·1	3	0·95
53	R. P. L. 33	5·8	...	3	3	16·66	5	32	2·5	4	0·26
54	57 Arietis δ	4·5	...	3	4	32·39	70	44	38·5	9	0·53
55	12 Eridani...	3·8	...	3	6	48·21	119	28	37·7	4	0·95
56	13 Eridani ζ	4·8	...	3	9	48·52	99	16	53·4	3	0·98
57	16 Eridani τ^4	3·8	...	3	13	59·84	112	12	38·7	1	0·99
58	R. P. L. 34	5·9	...	3	26	3·82	3	44	54·6	5	0·57
59	18 Eridani ϵ	3·7	...	3	27	5·32	99	52	45·0	1	0·97
60	19 Eridani τ^5	4·2	...	3	28	18·61	112	2	59·9	1	0·99
61	23 Eridani δ	3·7	...	3	37	18·47	100	11	4·4	1	0·99
62	25 Tauri η (*Alcyone*) ..	3·0	...	3	40	6·93	66	16	48·4	8	0·37
63	υ^2 Eridani	4·1	2	3	44	48·83	126	34	36·9	2	0·98
64	34 Eridani γ^1	3·0	...	3	52	14·60	103	51	45·9	11	0·21
65	R. P. L. 35	6·7	...	3	58	15·12	4	46	30·9	9	0·39
66	Lalande 7655	8·1	2	4	1	7·73	70	35	42·4	2	0·01
67	38 Eridani o^1	4·1	...	4	5	48·72	97	9	45·2	5	0·22
68	γ Doradûs...	4·5	...	4	12	46·58	141	47	59·5	1	0·99
69	41 Eridani υ^4	3·3	...	4	13	12·13	124	6	8·5	1	0·96
70	T Tauri, Var. 6	10·0	6	4	14	45·58	70	45	41·6	6	0·02

53.—Groombridge 595.
58.—Groombridge 642.
65.—Groombridge 750.
66.—Comparison star for Sylvia in 1877.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
36	65 Ceti ξ^1	+ 3·1741	+ 0·0116	– 0·003	– 17·079	+ 0·249	+ 0·00	306
37	67 Ceti	+ 2·9836	+ 0·0049	+ 0·004	– 16·876	+ 0·242	+ 0·11	321
38	φ Eridani	+ 2·1368	– 0·0044	+ 0·005	– 16·817	+ 0·177	+ 0·05	Stone
39	S Persei, Var. 4 ...	+ 4·2537	+ 0·0782	...	– 16·725	+ 0·348	...	...
40	... ...	+ 4·2685	+ 0·0791	...	– 16·704	+ 0·350	...	...
41	δ Hydri	+ 1·0566	+ 0·0292	– 0·010	– 16·450	+ 0·095	– 0·01	Stone
42	73 Ceti ξ^2	+ 3·1797	+ 0·0117	+ 0·001	– 16·349	+ 0·276	+ 0·00	347
43	82 Ceti δ	+ 3·0692	+ 0·0081	+ 0·000	– 15·743	+ 0·284	+ 0·01	372
44	ι Eridani	+ 2·3573	– 0·0020	+ 0·003	– 15·600	+ 0·223	+ 0·06	Stone
45	86 Ceti γ	+ 3·1123	+ 0·0094	– 0·011	– 15·537	+ 0·294	+ 0·16	383
46	89 Ceti π	+ 2·8538	+ 0·0033	– 0·003	– 15·462	+ 0·272	+ 0·01	388
47	41 Arietis	+ 3·5114	+ 0·0229	+ 0·003	– 15·211	+ 0·340	+ 0·12	395
48	3 Eridani η	+ 2·9228	+ 0·0052	+ 0·004	– 14·764	+ 0·294	+ 0·22	413
49	θ Eridani—1st ...	+ 2·2793	– 0·0004	...	– 14·573	+ 0·234	...	...
50	θ Eridani—2nd ...	+ 2·2793	– 0·0004	...	– 14·573	+ 0·234	...	...
51	92 Ceti α (*Menkar*) ...	+ 3·1306	+ 0·0098	– 0·003	– 14·438	+ 0·323	+ 0·07	428
52	11 Eridani τ^3 ...	+ 2·6550	+ 0·0018	– 0·012	– 14·369	+ 0·276	+ 0·04	434
53	B. P. L. 33 ...	+ 12·9678	+ 1·6028	+ 0·045	– 13·977	+ 1·362	+ 0·12	402
54	57 Arietis δ	+ 3·4090	+ 0·0171	+ 0·010	– 13·896	+ 0·364	– 0·01	446
55	12 Eridani	+ 0·5223	+ 0·0012	+ 0·025	– 13·754	+ 0·273	– 0·66	454
56	13 Eridani ζ	+ 2·9112	+ 0·0056	– 0·002	– 13·560	+ 0·318	– 0·04	457
57	16 Eridani τ^4 ...	+ 2·6634	+ 0·0026	+ 0·001	– 13·288	+ 0·297	– 0·04	469
58	B. P. L. 34	+ 19·0456	+ 3·2340	+ 0·136	– 12·480	+ 2·180	+ 0·06	Gr.
59	18 Eridani ϵ	+ 2·8894	+ 0·0055	– 0·068	– 12·410	+ 0·336	– 0·01	493
60	19 Eridani τ^5 ...	+ 2·6451	+ 0·0030	+ 0·001	– 12·324	+ 0·309	+ 0·04	495
61	23 Eridani δ	+ 2·8771	+ 0·0055	– 0·008	– 11·695	+ 0·346	– 0·74	515
62	25 Tauri η (*Alcyone*)	+ 3·5536	+ 0·0177	– 0·000	– 11·495	+ 0·430	+ 0·04	521
63	v^2 Eridani	+ 2·2477	+ 0·0026	– 0·008	– 11·155	+ 0·277	+ 0·07	Stone
64	34 Eridani γ^1 ...	+ 2·7922	+ 0·0047	+ 0·008	– 10·609	+ 0·351	+ 0·11	546
65	B. P. L. 35 ...	+ 16·8711	+ 1·8097	+ 0·057	– 10·160	+ 2·125	– 0·05	Gr.
66	Lalande 7655 ...	+ 3·4812	+ 0·0139	...	– 9·942	+ 0·445	...	...
67	38 Eridani o^1 ...	+ 2·9247	+ 0·0058	– 0·001	– 9·583	+ 0·379	– 0·09	568
68	γ Doradûs	+ 1·5558	+ 0·0076	+ 0·004	– 9·044	+ 0·206	– 0·10	Stone
69	41 Eridani v^4 ...	+ 2·2634	+ 0·0031	– 0·001	– 9·011	+ 0·299	– 0·01	590
70	T Tauri, Var. 6 ...	+ 3·4905	+ 0·0128	...	– 8·888	+ 0·460	...	...

38—41—44—63—68.—Proper motions from *Stone's Cape Catalogue.*
65.—Proper motions from *Greenwich Catalogue* 1872.

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Mean Positions of Stars for 1876, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
71	43 Eridani υ⁴	4·0	1	4	19	22·45	124	18	20·9	1	0·99
72	74 Tauri ε...	3·7	...	4	21	22·59	71	5	47·8	7	0·42
73	87 Tauri α (*Aldebaran*) ...	1·0	...	4	28	48·36	73	44	32·1	5	0·40
74	α Doradûs...	3·8	2	4	31	19·02	145	18	7·2	2	0·97
75	3 Aurigæ ι	2·7	...	4	48	55·20	57	1	57·1	8	0·06
76	... ...	8·7	5	4	50	49·23	71	8	10·9	5	0·92
77	... ...	9·1	5	4	52	26·81	71	22	44·9	5	0·94
78	2 Leporis ε	3·3	...	5	0	12·67	112	32	21·3	7	0·31
79	μ Doradûs, Var. 1 ...	9·6	3	5	5	53·33	151	57	57·8	3	0·95
80	19 Orionis β (*Rigel*) ...	0·3	...	5	8	34·73	98	20	47·5	2	0·04
81	24 Orionis γ	1·9	...	5	18	28·69	83	45	51·4	3	0·98
82	R. P. L. 40	6·0	...	5	22	27·51	4	52	21·6	5	0·09
83	S Orionis, Var. 4... ...	9·9	10	5	22	53·28	94	47	38·9	10	0·03
84	9 Leporis β	3·0	...	5	22	55·88	110	51	35·9	2	0·97
85	34 Orionis δ, Var. 1 ...	Var.	...	5	25	40·32	90	23	32·7	1	0·94
86	ε Columbæ	4·3	1	5	26	48·50	125	33	44·8	1	0·97
87	11 Leporis α	2·7	...	5	27	15·67	107	54	44·9	2	0·52
88	44 Orionis ι—1st	3·0	...	5	29	21·76	95	59	36·1	1	0·99
89	46 Orionis ε	1·8	...	5	29	55·20	91	16	58·7	4	0·05
90	48 Orionis σ—1st ...	3·7	...	5	32	31·10	92	40	25·6	1	0·96
91	R. P. L. 42	7·9	...	5	32	58·13	2	41	11·4	6	0·59
92	α Columbæ	2·7	...	5	35	9·63	124	8	28·7	3	0·10
93	53 Orionis κ	2·2	...	5	41	52·40	99	42	55·4	1	0·99
94	β Columbæ	3·2	2	5	46	35·18	125	48	58·9	2	0·97
95	58 Orionis α (*Betelgeux*)...	0·9	...	5	48	27·53	82	37	3·2	4	0·11
96	34 Aurigæ β	2·1	...	5	50	25·63	46	4	4·2	1	0·99
97	R. P. L. 43	6·6	...	5	57	21·37	3	14	15·9	1	0·46
98	67 Orionis ν	4·4	...	6	0	29·54	75	13	6·2	2	0·13
99	T Monocerotis, Var. 3 ...	6·6	10	6	18	31·03	82	50	54·8	10	0·03
100	24 Geminorum γ ...	2·0	...	6	30	32·88	73	29	49·0	1	0·18
101	51 Cephei (*Hev.*)	5·3	...	6	41	46·05	2	45	58·5	2	0·15
102	23 Canis Majoris γ ...	4·1	...	6	58	8·90	105	27	5·4	1	0·14
103	66 Geminorum α² (*Castor*)	2·0	...	7	26	41·21	57	50	30·0	2	0·18
104	R. P. L. 45	7·2	...	7	30	12·92	1	0	32·5	1	0·64
105	10 Canis Min. α (*Procyon*).	0·5	...	7	32	48·52	84	27	29·7	3	0·18

76—77.—Comparison stars for Isis in 1876.
82.—Groombridge 944.
97.—Groombridge 1004.
104.—Groombridge 1359.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
71	43 Eridani υ^4 ...	+ 2·2465	+ 0·0033	+ 0·005	− 8·525	+ 0·300	− 0·03	Stone
72	74 Tauri ε	+ 3·4883	+ 0·0120	+ 0·007	− 8·366	+ 0·466	+ 0·03	609
73	87 Tauri α	+ 3·4316	+ 0·0105	+ 0·004	− 7·771	+ 0·464	+ 0·18	630
74	α Doradûs	+ 1·2841	+ 0·0099	+ 0·011	− 7·568	+ 0·176	+ 0·04	Stone
75	3 Aurigæ ι	+ 3·8979	+ 0·0144	+ 0·001	− 6·121	+ 0·544	+ 0·00	677
76	... ...	+ 3·5083	+ 0·0093	...	− 5·962	+ 0·491	...	...
77	... ...	+ 3·5033	+ 0·0090	...	− 5·826	+ 0·492	...	...
78	2 Leporis ε	+ 2·5361	+ 0·0033	+ 0·000	− 5·172	+ 0·359	+ 0·07	713
79	μ Doradûs, Var. 1 ...	+ 0·6310	+ 0·0136	...	− 4·691	+ 0·091	...	...
80	19 Orionis β (*Rigel*)...	+ 2·8809	+ 0·0040	− 0·001	− 4·462	+ 0·412	− 0·01	736
81	24 Orionis γ... ...	+ 3·2158	+ 0·0048	− 0·002	− 3·613	+ 0·463	+ 0·02	761
82	R. P. L. 40	+ 18·5456	+ 0·6301	...	− 3·270	+ 2·670	...	...
83	S Orionis, Var. 4 ...	+ 2·9605	+ 0·0036	...	− 3·233	+ 0·427	...	...
84	9 Leporis β	+ 2·5694	+ 0·0030	− 0·002	− 3·230	+ 0·371	+ 0·08	781
85	34 Orionis δ, Var. 1...	+ 3·0631	+ 0·0038	− 0·001	− 2·998	+ 0·448	+ 0·01	787
86	ε Columbæ	+ 2·1265	+ 0·0030	+ 0·002	− 2·894	+ 0·308	+ 0·07	Stone
87	11 Leporis α... ...	+ 2·6444	+ 0·0029	− 0·001	− 2·855	+ 0·383	− 0·01	796
88	44 Orionis ι—1st ...	+ 2·9331	+ 0·0034	− 0·001	− 2·673	+ 0·425	− 0·01	806
89	46 Orionis ε	+ 3·0425	+ 0·0035	− 0·002	− 2·625	+ 0·441	− 0·01	809
90	48 Orionis σ—1st ...	+ 3·0102	+ 0·0033	− 0·002	− 2·404	+ 0·352	− 0·01	814
91	R. P. L. 42	+ 31·3678	+ 1·4460	...	− 2·360	+ 4·548	...	...
92	α Columbæ	+ 2·1709	+ 0·0027	+ 0·005	− 2·170	+ 0·316	+ 0·03	Stone
93	53 Orionis κ	+ 2·8439	+ 0·0027	− 0·002	− 1·584	+ 0·414	− 0·00	844
94	β Columbæ	+ 2·1091	+ 0·0026	+ 0·002	− 1·173	+ 0·308	− 0·39	Stone
95	58 Orionis α, Var. 2...	+ 3·2452	+ 0·0027	+ 0·001	− 1·009	+ 0·473	− 0·02	860
96	34 Aurigæ β	+ 4·4050	+ 0·0043	− 0·007	− 0·835	+ 0·642	+ 0·01	859
97	R. P. L. 43	+ 26·7042	+ 0·0916	...	− 0·231	+ 3·894	...	...
98	67 Orionis ν	+ 3·4250	+ 0·0017	− 0·000	+ 0·043	+ 0·500	+ 0·01	887
99	T Monocerotis, Var. 3	+ 3·2394	+ 0·0095	...	+ 0·619	+ 0·470	...	...
100	24 Geminorum γ ...	+ 3·4648	− 0·0015	+ 0·002	+ 2·665	+ 0·500	+ 0·04	969
101	51 Cephei (*Hev.*) ...	+ 30·3200	+ 2·1145	− 0·040	+ 3·635	+ 4·347	+ 0·05	Gr.
102	23 Canis Majoris γ ...	+ 2·7145	+ 0·0005	− 0·002	+ 5·034	+ 0·381	+ 0·00	1028
103	66 Gem. α^2 (*Castor*)	+ 3·8534	− 0·0133	− 0·015	+ 7·406	+ 0·519	+ 0·08	1067
104	R. P. L. 45	+ 73·1800	− 30·3739	− 0·323	+ 7·691	+ 9·855	− 0·01	Gr.
105	10 Canis Minoris α ...	+ 3·1915	− 0·0041	− 0·047	+ 7·901	+ 0·425	+ 1·03	1106

71—74—86—92—94.—Proper motions from *Stone's Cape Catalogue.*
101.—Proper motions from *Greenwich Catalogue* 1880.
104.—Proper motions from *Greenwich Catalogue* 1872.

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Mean Positions of Stars for 1876, January 1st.

Number	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
106	78 Geminorum β (*Pollux*).	1·1	...	7	37	43·72	61	40	34·1	2	0·18
107	R. P. L. 49...	6·7	...	7	46	58·87	5	35	26·0	2	0·44
108	6 Cancri	5·0	...	7	55	54·00	61	51	34·2	2	0·20
109	15 Argus ι...	2.9	...	8	2	15·76	113	56	51·5	2	0·22
110	... ...	9·4	4	8	13	20·62	131	19	24·8	4	0·24
111	33 Cancri η	5·5	...	8	25	32·17	69	8	19·9	1	0·24
112	11 Hydræ ε	3·6	...	8	40	12·52	83	7	36·8	3	0·23
113	R. P. L. 60	7·0	...	8	49	7·66	5	19	34·7	8	0·65
114	83 Cancri	6·6	...	9	12	3·47	71	46	11·6	3	0·24
115	30 Hydræ α, Var. 2 ...	Var.	...	9	21	29·54	98	7	18·6	3	0·24
116	R. P. L. 69	7·9	...	9	36	41·27	2	49	59·7	2	0·51
117	17 Leonis ε	3·1	...	9	38	48·62	65	39	21·0	3	0·26
118	R. P. L. 70	5·0	...	9	48	26·01	5	29	10·4	6	0·70
119	29 Leonis π	5·0	...	9	53	39·49	81	21	41·5	1	0·29
120	32 Leonis α (*Regulus*) ..	1·4	...	10	1	45·96	77	25	38·4	2	0·24
121	R. P. L. 72	6·0	...	10	11	18·91	5	7	11·5	5	0·35
122	41 Leonis γ¹	2·5	...	10	13	7·99	69	31	54·9	2	0·27
123	47 Leonis ρ	4·0	...	10	26	16·86	80	3	18·7	1	0·30
124	53 Leonis *l*	5·3	...	10	42	44·30	78	47	54·9	5	0·28
125	63 Leonis χ	4·7	...	10	58	37·21	81	59	37·2	2	0·30
126	68 Leonis δ	2·8	...	11	7	30·67	68	47	48·7	2	0·29
127	12 Crateris δ	3·9	...	11	13	8·52	104	6	27·2	4	0·29
128	91 Leonis υ	4·5	...	11	30	35·96	90	8	20·0	2	0·28
129	... ...	8·5	4	11	33	41·44	144	18	33·8	4	0·24
130	94 Leonis β (*Deneb*) ...	2·2	...	11	42	44·03	74	44	5·4	3	0·30
131	R. P. L. 89	6·3	...	11	58	30·13	3	43	32·6	2	0·60
132	2 Corvi ε	3·1	...	12	3	44·94	111	55	47·0	2	0·32
133	15 Virginis η	4·0	...	12	13	33·71	89	58	37·2	2	0·29
134	... ...	9·7	5	12	15	52·26	90	46	16·7	5	0·30
135	9 Corvi β...	2·8	...	12	27	52·41	112	42	37·4	1	0·33
136	R. P. L. 98	6·6	...	12	48	6·90	5	54	27·0	1	0·31
137	R. P. L. 99	5·6	...	12	48	16·54	5	54	45·9	1	0·32
138	51 Virginis θ	4·4	...	13	3	31·79	94	52	33·7	6	0·34
139	67 Virginis α (*Spica*) ...	1·2	...	13	18	39·71	100	30	47·1	1	0·32
140	R. P. L. 103	7·0	...	13	19	42·79	4	35	52·0	4	0·50

113.—Carrington 1286.
116.—Carrington 1418.
118.—Carrington 1451.
121.—Groombridge 1620.
131.—Groombridge 1850.
134.— Comparison star for Hestia in 1876.
137.—Groombridge 1940.
140.—Groombridge 2007.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	Secular Variation.	Proper Motion.	In Polar Distance. Annual Precession.	Secular Variation.	Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
106	78 Gem. β (*Pollux*) ...	+ 3·7283	− 0·0128	− 0·048	+ 8·295	+ 0·491	+ 0·05	1112
107	R. P. L. 49	+ 15·2694	− 1·2366	...	+ 9·025	+ 1·985	...	...
108	6 Cancri	+ 3·6978	− 0·0148	− 0·003	+ 9·715	+ 0·468	+ 0·04	1149
109	15 Argus ι	+ 2·5609	+ 0·0009	− 0·008	+ 10·198	+ 0·818	− 0·06	1170
110	... ...	+ 2·0902	+ 0·0015	...	+ 11·021	+ 0·250	...	...
111	33 Cancri η	+ 3·4824	− 0·0129	− 0·004	+ 11·896	+ 0·404	+ 0·05	1207
112	11 Hydræ ε	+ 3·1955	− 0·0071	− 0·014	+ 12·905	+ 0·351	+ 0·02	1243
113	R. P. L. 60	+ 13·6815	− 1·7133	...	+ 13·492	+ 1·470	...	...
114	83 Cancri	+ 3·3668	− 0·0134	− 0·009	+ 14·906	+ 0·323	+ 0·14	1309
115	30 Hydræ α, Var. 2...	+ 2·9505	− 0·0013	− 0·002	+ 15·447	+ 0·268	− 0·05	1330
116	R. P. L. 69	+ 18·8847	− 5·5377	...	+ 16·260	+ 1·612	...	...
117	17 Leonis ε	+ 3·4217	− 0·0180	− 0·004	+ 16·368	+ 0·282	+ 0·01	1368
118	R. P. L. 70	+ 10·6315	− 1·5535	...	+ 16·840	+ 0·835	...	...
119	29 Leonis π	+ 3·1786	− 0·0080	− 0·004	+ 17·083	+ 0·236	+ 0·01	1398
120	32 Leonis α (*Regulus*).	+ 3·2193	− 0·0102	− 0·018	+ 17·444	+ 0·225	− 0·02	1406
121	R. P. L. 72	+ 9·8769	+ 1·6166	− 0·096	+ 17·841	+ 0·650	− 0·04	1399
122	41 Leonis γ^1... ...	+ 3·2966	− 0·0148	+ 0·021	+ 17·913	+ 0·208	+ 0·14	1432
123	47 Leonis ρ	+ 3·1654	− 0·0080	− 0·001	+ 18·401	+ 0·176	− 0·01	1467
124	53 Leonis *l*	+ 3·1598	− 0·0080	− 0·002	+ 18·925	+ 0·145	+ 0·02	1500
125	63 Leonis χ	+ 3·1219	− 0·0056	− 0·026	+ 19·339	+ 0·113	+ 0·02	1535
126	68 Leonis δ	+ 3·1900	− 0·0132	+ 0·010	+ 19·531	+ 0·098	+ 0·12	1546
127	12 Crateris δ... ...	+ 3·0040	+ 0·0064	− 0·011	+ 19·637	+ 0·081	− 0·21	1557
128	91 Leonis υ	+ 3·0718	+ 0·0003	− 0·002	+ 19·899	+ 0·049	− 0·05	1586
129	... ...	+ 2·8591	+ 0·0360	...	+ 19·922	+ 0·039	...	...
130	94 Leonis β (*Deneb*)...	+ 3·0997	− 0·0074	− 0·036	+ 19·997	+ 0·025	+ 0·10	1605
131	R. P. L. 89	+ 3·2063	− 0·4970	...	+ 20·054	− 0·006	...	...
132	2 Corvi ε	+ 3·0810	+ 0·0142	− 0·006	+ 20·052	− 0·016	− 0·02	1626
133	15 Virginis η... ..	+ 3·0722	+ 0·0027	− 0·006	+ 20·019	− 0·035	+ 0·02	1647
134	... ...	+ 3·0735	+ 0·0032	...	+ 20·006	− 0·039	...	...
135	9 Corvi β	+ 3·1401	+ 0·0164	− 0·003	+ 19·906	− 0·064	+ 0·05	1685
136	R. P. L. 98	+ 0·3794	+ 0·2183	− 0·017	+ 19·614	− 0·020	− 0·02	1730
137	R. P. L. 99	+ 0·3730	+ 0·2193	− 0·020	+ 19·611	− 0·019	− 0·02	1731
138	51 Virginis θ ...	+ 3·1035	+ 0·0078	− 0·004	+ 19·289	− 0·132	+ 0·04	1747
139	67 Virginis α (*Spica*).	+ 3·1557	+ 0·0116	− 0·004	+ 18·884	− 0·163	+ 0·02	1747
140	R. P. L. 103	− 2·5941	+ 0·9474	...	+ 18·854	+ 0·121	...	...

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Mean Positions of Stars for 1876, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
141	79 Virginis ζ	3·5	...	13	28	22·55	89	57	38·7	4	0·34
142	8 Bootis η	2·9	...	13	48	46·85	70	58	45·8	5	0·35
143	93 Virginis τ	4·3	...	13	55	20·21	87	51	14·6	7	0·35
144	R. P. L. 108	7·8	...	14	2	23·49	3	38	53·0	3	0·35
145	16 Bootis α (*Arcturus*) ...	0·0	...	14	10	0·33	70	10	15·8	5	0·37
146	25 Bootis ρ	3·6	...	14	26	29·16	59	4	59·7	2	0·42
147	R Camelopardi, Var. 1 ...	9·3	5	14	27	7·49	5	36	22·9	6	0·34
148	36 Bootis ε (*Mirac*) ...	2·6	...	14	39	34·20	62	24	6·3	2	0·39
149	9 Libræ α²	3·0	...	14	44	1·25	105	31	30·4	8	0·41
150	W. B. E. XIV. 896 ...	8·9	4	14	49	0·02	102	42	5·0	5	0·33
151	... ...	9·3	5	14	55	48·23	104	0	58·8	5	0·33
152	43 Bootis ψ	4·5	...	14	59	7·94	62	34	3·5	2	0·41
153	R. P. L. 111	7·1	...	15	4	21·20	5	34	12·2	6	0·45
154	27 Libræ β	2·7	...	15	10	20·14	98	55	25·0	4	0·40
155	R. P. L. 114	6·9	...	15	17	55·25	2	17	35·9	6	0·33
156	5 Cor. Bor. α (*Alpheta*) ...	2·4	...	15	29	26·33	62	51	59·9	4	0·42
157	24 Serpentis α	2·7	...	15	38	9·61	83	10	57·7	3	0·46
158	R Serpentis, Var. 2 ...	8·3	5	15	44	58·54	74	29	18·3	5	0·37
159	R. P. L. 115	7·0	...	15	46	35·66	4	46	6·3	4	0·49
160	8 Scorpii β¹	3·0	...	15	58	13·70	109	27	51·5	1	0·49
161	R. P. L. 116	6·9	...	16	2	14·47	4	20	42·9	4	0·50
162	1 Ophiuchi δ	2·8	...	16	7	50·84	93	22	25·1	4	0·49
163	21 Scorpii α (*Antares*) ...	1·1	...	16	21	48·41	116	9	18·0	3	0·48
164	40 Herculis ζ	3·1	...	16	36	36·72	58	10	17·0	6	0·52
165	... ...	7·2	3	16	42	29·86	138	53	54·7	3	0·40
166	27 Ophiuchi κ	3·4	...	16	51	47·94	80	25	49·2	3	0·48
167	T Serpentis, Var. 4 ...	10·6	10	16	54	40·92	110	19	45·5	10	0·59
168	22 Ursæ Minoris ε ...	4·5	...	16	58	45·11	7	45	43·2	1	0·10
169	R Ophiuchi, Var. 2 ...	8·5	3	17	0	38·83	105	55	32·0	4	0·53
170	... ...	8·8	2	17	7	4·55	137	25	57·3	2	0·45
171	64 Herculis α, Var. 1 ...	Var.	...	17	8	59·64	75	27	58·9	9	0·58
172	42 Ophiuchi θ	3·4	...	17	14	23·72	114	52	24·8	4	0·58
173	55 Ophiuchi α	2·2	...	17	29	10·71	77	20	51·9	8	0·56
174	86 Herculis μ	3·5	...	17	41	36·30	62	12	18·8	7	0·59
175	13 Sagittarii μ¹	4·1	...	18	6	20·82	111	5	20·1	3	0·59

144.—Groombridge 2099.
150—151.—Comparison stars for Asia in 1876.
153.—Groombridge 2213.
155.—Groombridge 2283.
159.—Carrington 2380.
161.—Carrington 2423.
165.—Comparison star for comet in 1862.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	Secular Variation.	Proper Motion.	In Polar Distance. Annual Precession.	Secular Variation.	Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
141	79 Virginis ζ ...	+ 3·0719	+ 0·0064	− 0·021	+ 18·582	− 0·176	− 0·06	1789
142	8 Bootis η ...	+ 2·8616	− 0·0006	− 0·005	+ 17·837	− 0·199	+ 0·34	1821
143	93 Virginis τ ...	+ 3·0481	+ 0·0064	− 0·001	+ 17·568	− 0·222	+ 0·03	1829
144	R. P. L. 108 ...	+ 7·6012	+ 2·4111	...	+ 17·262	+ 0·557	...	...
145	16 Bootis α (*Arcturus*)..	+ 2·8131	+ 0·0004	− 0·080	+ 16·913	− 0·227	+ 1·98	1847
146	25 Bootis ρ	+ 2·5946	− 0·0015	− 0·009	+ 16·096	− 0·233	− 0·13	1869
147	R Camelopardi, Var. 1	− 5·0828	+ 1·0618	...	+ 16·062	+ 0·437	...	...
148	36 Bootis ε (*Mirac*) ...	+ 2·6240	− 0·0001	− 0·004	+ 15·386	− 0·252	− 0·00	1890
149	9 Libræ α² ...	+ 3·3159	+ 0·0154	− 0·009	+ 15·134	− 0·324	+ 0·07	1894
150	W. B. E. XIV. 896 ..	+ 3·3748	+ 0·0141	...	+ 14·844	− 0·336	...	...
151	... ...	+ 3·3036	+ 0·0145	...	+ 14·438	− 0·340	...	...
152	43 Bootis ψ ...	+ 2·5834	+ 0·0010	− 0·015	+ 14·234	− 0·271	+ 0·01	1922
153	R. P. L. 111 ...	− 6·8051	+ 1·1664	...	+ 13·909	+ 0·709	...	...
154	27 Libræ β ...	+ 3·2272	+ 0·0117	− 0·008	+ 13·526	− 0·353	+ 0·02	1934
155	R. P. L. 114 ...	− 22·3060	+ 7·5404	...	+ 13·030	+ 2·467	...	...
156	5 Coronæ Borealis α...	+ 2·5297	+ 0·0023	+ 0·009	+ 12·247	− 0·297	+ 0·09	1973
157	24 Serpentis α ...	+ 2·9421	+ 0·0062	+ 0·008	+ 11·634	− 0·354	− 0·06	1990
158	R Serpentis, Var. 2...	+ 2·7639	+ 0·0043	...	+ 11·143	− 0·340	...	...
159	R. P. L. 115	− 10·3159	+ 1·5329	...	+ 11·026	+ 1·252	...	...
160	8 Scorpii β¹ ...	+ 3·4795	+ 0·0142	− 0·003	+ 10·161	− 0·441	+ 0·03	2034
161	R. P. L. 116 ...	− 12·2499	+ 1·7478	...	+ 9·857	+ 1·551	...	...
162	1 Ophiuchi δ ...	+ 3·1418	+ 0·0081	− 0·005	+ 9·427	− 0·408	+ 0·14	2065
163	21 Scorpii α (*Antares*)	+ 3·6695	+ 0·0150	− 0·002	+ 8·332	− 0·491	+ 0·03	2091
164	40 Herculis ζ ...	+ 2·2967	+ 0·0033	− 0·036	+ 7·137	− 0·316	− 0·41	2127
165	... ...	+ 4·5179	+ 0·0275	...	+ 6·653	− 0·624	...	...
166	27 Ophiuchi κ ...	+ 2·8567	+ 0·0044	− 0·021	+ 5·880	− 0·402	− 0·02	2156
167	T Serpentis, Var. 4...	+ 3·5475	+ 0·0093	...	+ 5·638	− 0·498	...	...
168	22 Ursæ Minoris ε ...	− 6·3880	+ 0·3078	+ 0·009	+ 5·296	+ 0·897	+ 0·00	2201
169	R Ophiuchi, Var. 2...	+ 3·4410	+ 0·0077	...	+ 5·135	− 0·487	...	...
170	... ...	+ 4·4892	+ 0·0187	...	+ 4·590	− 0·638	...	...
171	64 Herculis α, Var. 1.	+ 2·7342	+ 0·0035	− 0·002	+ 4·426	− 0·391	− 0·03	2183
172	42 Ophiuchi θ ...	+ 3·6798	+ 0·0080	− 0·002	+ 3·965	− 0·528	+ 0·04	2189
173	55 Ophiuchi α ...	+ 2·7748	+ 0·0030	+ 0·007	+ 2·689	− 0·402	+ 0·22	2218
174	86 Herculis μ ...	+ 2·3697	+ 0·0025	− 0·024	+ 1·608	− 0·346	+ 0·75	2237
175	13 Sagittarii μ¹ ...	+ 3·5876	+ 0·0009	− 0·001	− 0·555	− 0·523	− 0·00	2284

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Mean Positions of Stars for 1876, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
176	... ...	8·4	3	18	6	52·00	122	25	1·1	4	0·59
177	... ...	9·6	3	18	8	52·62	122	24	32·1	4	0·54
178	23 Ursæ Minoris δ ...	4·5	...	18	12	19·60	3	23	31·3	6	0·43
179	24 Ursæ Minoris	6·1	...	18	16	40·21	3	0	46·9	3	0·58
180	... ...	10·5	2	18	30	10·70	136	55	3·7	2	0·58
181	3 Lyræ α (*Vega*)	0·2	...	18	32	44·32	51	19	49·9	2	0·62
182	10 Lyræ β, Var. 1 ...	Var.	...	18	45	30·11	56	46	48·4	2	0·63
183	R. P. L. 131	6·5	...	18	55	11·74	3	27	0·8	5	0·40
184	17 Aquilæ ζ	3·1	...	18	59	42·55	76	19	9·6	7	0·61
185	25 Aquilæ ω	5·1	...	19	11	59·74	78	37	34·8	3	0·63
186	30 Aquilæ δ	3·5	...	19	19	14·65	87	7	50·2	3	0·65
187	52 Sagittarii h^2	4·6	...	19	29	9·51	115	9	18·0	4	0·64
188	50 Aquilæ γ	2·8	...	19	40	21·87	79	41	13·0	2	0·71
189	11 Vulpeculæ, Var. 1 ...	10·7	7	19	42	35·50	62	59	10·3	9	0·63
190	53 Aquilæ α (*Altair*) ...	1·0	...	19	44	44·01	81	27	26·4	1	0·73
191	60 Aquilæ β	4·0	...	19	49	13·40	83	54	3·3	2	0·70
192	6 Capricorni $α^2$	3·8	...	20	11	10·37	102	55	39·6	5	0·71
193	X Capricorni, Var. 7 ...	10·7	8	20	15	39·01	106	24	17·2	8	0·73
194	U Cygni, Var. 6	8·3	5	20	15	45·99	42	29	46·8	5	0·80
195	... ...	10·5	1	20	16	41·05	106	30	48·1	1	0·58
196	11 Capricorni ρ	5·0	...	20	21	47·10	108	13	19·2	5	0·69
197	R. P. L. 143	6·7	...	20	28	0·30	5	16	2·6	9	0·64
198	50 Cygni α (*Deneb*) ...	1·5	...	20	37	12·37	45	9	43·0	3	0·78
199	32 Vulpeculæ	5·1	...	20	49	16·49	62	24	47·6	8	0·75
200	64 Cygni ζ	3·5	...	21	7	39·58	60	16	51·4	8	0·78
201	... ...	10·6	4	21	8	57·13	110	47	7·3	4	0·77
202	22 Aquarii β	3·1	...	21	25	1·71	96	6	56·6	15	0·78
203	8 Pegasi ε	2·4	...	21	38	5·69	80	41	33·5	12	0·78
204	16 Pegasi	5·0	...	21	47	25·19	64	39	28·3	3	0·76
205	34 Aquarii α	3·2	...	21	59	24·81	90	55	17·3	6	0·77
206	43 Aquarii θ	4·3	...	22	10	17·36	98	23	58·6	4	0·80
207	R. P. L. 150	5·5	...	22	22	53·66	4	31	2·9	9	0·56
208	R. P. L. 151	6·9	...	22	23	19·42	4	24	10·3	5	0·46
209	62 Aquarii η	4·2	...	22	28	58·98	90	45	21·9	2	0·76
210	... ...	7·4	2	22	46	27·74	130	4	43·4	2	0·74

178.—R. P. L. 125.
179.—R. P. L. 128.
183.—Carrington 2882.
195.—Comparison star for Hestia in 1865.
197.—Carrington 3128.
207.—Groombridge 3820.
208.—Groombridge 3824.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in Auwers-Bradley
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"	"	
176	... ...	+ 3·9209	+ 0·0003	...	− 0·601	− 0·572	...	...
177	... ...	+ 3·9203	− 0·0001	...	− 0·776	− 0·571	...	...
178	23 Ursæ Minoris δ ...	− 19·4515	− 0·3594	+ 0·026	− 1·078	+ 2·833	− 0·04	2395
179	24 Ursæ Minoris ...	− 22·2596	− 0·6432	+ 0·067	− 1·457	+ 3·240	+ 0·02	2417
180	... ...	+ 4·4893	− 0·0084	...	− 2·633	− 0·648	...	...
181	3 Lyræ α (*Vega*) ...	+ 2·0132	+ 0·0016	+ 0·017	− 2·855	− 0·290	− 0·30	2341
182	10 Lyræ β, Var. 1 ...	+ 2·2139	+ 0·0015	− 0·001	− 3·955	− 0·315	− 0·02	2369
183	R. P. L. 131	− 18·4621	− 1·5300	...	− 4·783	+ 2·617	...	...
184	17 Aquilæ ζ	+ 2·7578	+ 0·0003	− 0·003	− 5·166	− 0·387	+ 0·09	2405
185	25 Aquilæ ω	+ 2·8165	− 0·0003	− 0·001	− 6·197	− 0·388	− 0·03	2432
186	30 Aquilæ δ	+ 3·0092	− 0·0018	+ 0·015	− 6·797	− 0·410	− 0·09	2451
187	52 Sagittarii h² ...	+ 3·6531	− 0·0102	+ 0·002	− 7·607	− 0·490	+ 0·01	2478
188	50 Aquilæ γ	+ 2·8519	− 0·0011	− 0·001	− 8·504	− 0·373	− 0·01	2511
189	11 Vulpeculæ, Var. 1.	+ 2·4576	+ 0·0011	...	− 8·680	− 0·319	...	...
190	53 Aquilæ α (*Altair*)..	+ 2·8920	− 0·0014	+ 0·035	− 8·849	− 0·374	− 0·38	2524
191	60 Aquilæ β	+ 2·9453	− 0·0020	+ 0·001	− 9·200	− 0·378	+ 0·47	2538
192	6 Capricorni α² ...	+ 3·3302	− 0·0084	+ 0·002	− 10·862	− 0·403	− 0·02	2595
193	X Capricorni, Var. 7..	+ 3·3990	− 0·0101	...	− 11·189	− 0·407	...	...
194	U Cygni, Var. 6 ...	+ 1·8615	+ 0·0002	...	− 11·197	− 0·220	...	...
195	... ...	+ 3·4000	− 0·0103	...	− 11·264	− 0·405	...	...
196	11 Capricorni ρ ...	+ 3·4308	− 0·0115	− 0·003	− 11·630	− 0·403	+ 0·01	2626
197	R. P. L. 143	− 8·5092	+ 1·2745	...	− 12·069	+ 0·996	...	...
198	50 Cygni α (*Deneb*) ...	+ 2·0435	+ 0·0021	− 0·000	− 12·702	− 0·226	− 0·00	2679
199	32 Vulpeculæ ...	+ 2·5557	+ 0·0026	− 0·002	− 13·502	− 0·270	+ 0·00	2709
200	64 Cygni ζ	+ 2·5509	+ 0·0038	− 0·002	− 14·646	− 0·248	+ 0·07	2760
201	... ...	+ 3·4167	− 0·0149	...	− 14·724	− 0·333	...	...
202	22 Aquarii β... ...	+ 3·1618	− 0·0071	− 0·001	− 15·642	− 0·282	+ 0·00	2797
203	8 Pegasi ε	+ 2·9451	− 0·0005	+ 0·001	− 16·331	− 0·242	− 0·01	2835
204	16 Pegasi	+ 2·7261	+ 0·0052	− 0·001	− 16·791	− 0·210	+ 0·00	2864
205	34 Aquarii α	+ 3·0831	− 0·0041	− 0·001	− 17·342	− 0·219	− 0·00	2890
206	43 Aquarii θ... ...	+ 3·1631	− 0·0075	+ 0·006	− 17·800	− 0·205	+ 0·02	2929
207	R. P. L. 150	− 3·8848	− 1·2163	+ 0·052	− 18·281	+ 0·241	− 0·04	2993
208	R. P. L. 151	− 4·0378	− 1·2843	+ 0·025	− 18·297	+ 0·249	− 0·01	2997
209	62 Aquarii η	+ 3·0791	− 0·0031	+ 0·006	− 18·494	− 0·166	+ 0·11	2979
210	... ...	+ 3·4268	− 0·0317	...	− 19·081	− 0·150	...	...

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Mean Positions of Stars for 1876, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	′	″		
211	... ...	9·5	4	22	48	9·24	128	54	·0	4	0·74
212	54 Pegasi α (*Markab*) ...	2·6	...	22	58	35·04	75	27	41·3	1	0·78
213	6 Piscium γ	3·8	...	23	10	44·20	87	23	41·9	1	0·83
214	8 Piscium κ	5·0	...	23	20	34·46	89	25	24·6	1	0·83
215	R. P. L. 158	5·7	...	23	27	49·68	3	22	37·8	2	0·31
216	17 Piscium ι	4·3	...	23	33	34·31	85	2	45·1	2	0·87
217	δ Sculptoris	4·6	...	23	42	27·80	118	48	58·2	1	0·90
218	2 Ceti	4·6	...	23	57	23·07	108	1	35·5	3	0·95

215.—Groombridge 4101.

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Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension. Annual Precession.	In Right Ascension. Secular Variation.	In Right Ascension. Proper Motion.	In Polar Distance. Annual Precession.	In Polar Distance. Secular Variation.	In Polar Distance. Proper Motion.	Number in Auwers-Bradley.
		s	s	s	"	"	"	
211	... ...	+ 3·4049	− 0·0300	...	− 19·077	− 0·146	...	...
212	54 Pegasi α (*Markab*)	+ 2·9805	+ 0·0056	+ 0·003	− 19·338	− 0·107	+ 0·08	3050
213	6 Piscium γ	+ 3·0592	+ 0·0005	+ 0·049	− 19·593	− 0·087	− 0·02	3082
214	8 Piscium κ	+ 3·0699	0·0000	+ 0·004	− 19·759	− 0·069	+ 0·10	3116
215	R. P. L. 158	− 0·0977	− 0·5315	+ 0·084	− 19·857	+ 0·011	− 0·00	3147
216	17 Piscium ι	+ 3·0588	+ 0·0030	+ 0·023	− 19·921	− 0·042	+ 0·44	3148
217	δ Sculptoris	+ 3·1284	− 0·0161	+ 0·009	− 19·995	− 0·026	+ 0·10	Stone
218	2 Ceti	+ 3·0771	− 0·0080	− 0·000	− 20·053	+ 0·004	− 0·01	3204

217.—Proper motions from *Stone's Cape Catalogue.*

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Boston, Mass. ... American Academy of Arts & Sc.
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Cincinnati, Ohio... Mount Lookout Observatory.
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Evanston, Ill. ... Dearborn Observatory.
Geneva, N. Y. ... Dir. W. R. Brooks.
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Madison, Wis. ... Washburn Observatory.
Mt. Hamilton Cal. Lick Observatory.
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